

Blood Bank - Hematology

Laboratory products for your Blood Bank and Hematology needs.

Better solutions for your laboratory.

Collecting precise data from patient blood tests requires specialized instruments and advanced technology. That's where Cardinal Health comes in. From reagents to buffers to analyzers, we are dedicated to meeting the unique needs of the hematology laboratory.

Our full hematology offering represents only a portion of the expansive Cardinal Health laboratory product portfolio. With thousands of products from hundreds of leading manufacturers, Cardinal Health delivers quality and cost-efficiency for all disciplines, from microbiology to histology. Our dedicated sales professionals understand the lab business and will recommend the best products and the best prices for your needs.

Count on Cardinal Health to help you navigate challenges and discover solutions. Allowing you to focus on keeping your lab running smoothly.

To hear more about how we can support your lab, contact your Cardinal Health sales representative or call 800.964.5227.



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Blood Banking

Analyzers

ORTHO VISION™ Analyzer

ORTHO CLINICAL DIAGNOSTICS - The ORTHO VISION™ Analyzer was developed to meet the unique needs of immunohematology labs through the proprietary benefits of Responsive Automation. Secure monitoring technologies provide responsive safety checks and balances to give blood bankers the ability to monitor every critical step in the automation process. Designed to respond to your unique lab with customization features and the adaptability to accommodate unpredictable workflows while reducing the need for batch testing.

Cat. No.	Mfr. No.	Description	Qty.
6904577	6904577	ORTHO VISION™ analyzer	1/ea
Accessories			
SP6843005	6843005	Caps "anti-evaporation" - 10 mL	250/bx
SP6904591	6904591	Dilution racks - 16 wells	180/bx



ORTHO VISION™ Max Analyzer

ORTHO CLINICAL DIAGNOSTICS - A fully automated blood analyzer for high-volume transfusion medicine laboratories. The ORTHO VISION platform improves workflow and standardizes systems and processes, helping blood banks labs keep pace with growing industry pressure to increase productivity while remaining operationally efficient.

Cat. No.	Mfr. No.	Description	Qty.
SP6904576	6904576	ORTHO VISION™ Max Analyzer	1/ea



ORTHO™ Workstation

ORTHO CLINICAL DIAGNOSTICS - The ORTHO™ Workstation is the only compact 2-in-1 blood testing system with reliable ORTHO BioVue® Column Agglutination Technology. It's a system engineered to help ensure the accuracy your patients deserve—with the convenience and ease of use your lab needs. Maximise space in your lab with this system that integrates ORTHO BioVue® Cassettes, centrifuge, and incubator. At just under 11 kg and with a width of 575 mm, the workstation is lightweight with a small footprint for space-constrained labs. With the ORTHO™ Workstation, your lab also has the ability to standardise on one technology.

Cat. No.	Mfr. No.	Description	Qty.
SP6904630	6904630	ORTHO™ Workstation	1/ea

Blood Banking

Antibody/Typing Supplies



Anti-Human Globulin Reagents

ORTHO CLINICAL DIAGNOSTICS - Anti-human globulin reagents are used in indirect and direct antiglobulin tests. The indirect test is used for antibody detection and identification, cross-matching and antigen typing with IgG antibodies. The direct antiglobulin test detects the presence of in vivo coating of red blood cells with IgG and/or the complement components C3b and/or C3d.

Cat. No.	Mfr. No.	Description	Qty.
Anti-Human Globulin (Rabbit and Murine Monoclonal) BioClone® Anti-IgG, -C3d Polyspecific Reagents			
SP716080	716080	Clear, 15 x 10 mL	15/pk
SP716000	716000	Clear, 100 x 10 mL	100/pk
SP716980	716980	Green, 15 x 10 mL	15/pk
SP716910	716910	Green, 100 x 10 mL	100/pk
Anti-Human Globulin ORTHO® Anti-IgG (Rabbit) Reagents			
SP716360	716360	Clear, 1 x 10 mL	1/pk
SP716300	716300	Clear, 100 x 10 mL	100/pk
SP716760	716760	Green, 1 x 10 mL	1/pk
SP716700	716700	Green, 100 x 10 mL	100/pk
Anti-Human Globulin Anti-C3b, -C3d (Murine Monoclonal) BioClone® Reagent			
SP716540	SP716540	1 x 3 mL	1/pk
Anti-Human Globulin anti-C3d (Murine Monoclonal) BioClone® Reagent			
SP716530	716530	1 x 3 mL	1/pk



Antibody Enhancement Media

ORTHO CLINICAL DIAGNOSTICS - Antigen/antibody reactions are affected by various physical/chemical factors. These reagents enhance antigen/antibody interactions for increased sensitivity and rapidity in antibody detection.

Cat. No.	Mfr. No.	Description	Qty.
ORTHO® Bovine Albumin Solution			
SP718280	718280	15 x 10 mL	15/pk
SP718100	718100	100 x 10 mL	100/pk
ORTHO® Bovine Albumin Solution (Polymerized)			
SP718380	718380	15 x 10 mL	15/pk
ORTHO® Antibody Enhancement Solution			
SP6902525	6902525	ProClin™ 300 - 15 x 10 mL	15/pk
SP6902526	6902526	ProClin™ 300 - 100 x 10 mL	100/pk

Anti-D (Anti-Rho) and Rh-hr Typing Reagents

ORTHO CLINICAL DIAGNOSTICS - Anti-D Reagents are used for routine Rh determination. Anti-Rh-hr reagents are used to determine the presence or absence of their corresponding antigens on human red blood cells.



Cat. No.	Mfr. No.	Description	Qty.
Anti-D (Anti-Rho Monoclonal-Polyclonal Blend) BioClone® Reagent			
SP6901939	6901939	3 x 10 mL	3/pk
SP717380	717380	15 x 10 mL	15/pk
ORTHO® Anti-D (Anti-Rho) Reagent			
SP712380	712380	15 x 10 mL	15/pk
ORTHO® Rh-hr Control Reagent			
SP715480	715480	15 x 10 mL	15/pk
Anti-Rh-hr (Monoclonal) BioClone® Reagents, 1 x 5 mL			
SP713080	713080	Anti-C	1/pk
SP713180	713180	Anti-E	1/pk
SP714080	714080	Anti-c	1/pk
SP714180	714180	Anti-e	1/pk
SP721130	721130	ORTHO® Anti-Cw 1 x 3 mL	1/pk

More detailed instructions for use of each of these products can be downloaded at www.orthoclinical.com.

Blood Banking

Antibody/Typing Supplies

ABO Blood Grouping Reagents

ORTHO CLINICAL DIAGNOSTICS - ABO Blood Grouping Reagents are designed for use in agglutination tests for recognition of the A antigen and its subgroups and/or the B antigen on human red blood cells.



Cat. No.	Mfr. No.	Description	Qty.
Anti-A (Murine Monoclonal Blend) BioClone® Reagent			
SP6901934	6901934	3 x 10 mL	3/pk
SP711220	711220	15 x 10 mL	15/pk
Anti-B (Murine Monoclonal Blend) BioClone® Reagent			
SP6901935	6901935	3 x 10 mL	3/pk
SP711320	711320	15 x 10 mL	15/pk
Anti-A, B (Murine Monoclonal Blend) BioClone® Reagent			
SP711520	711520	15 x 10 mL	15/pk
ORTHO® Anti-A1 lectin reagent			
SP711830	711830	1 x 3 mL	1/pk

Blood Grouping Reagents (Rare Antisera)

ORTHO CLINICAL DIAGNOSTICS - Blood Grouping Reagents are used to determine the presence or absence of rare antigens on human red blood cells.



Cat. No.	Mfr. No.	Description	Qty.
Anti-Fya and anti-Fyb Reagents for Indirect Antiglobulin Test, 1 x 5 mL			
SP715130	715130	Anti-Fya	1/pk
SP725230	725230	Anti-Fyb	1/pk
Anti-S and Anti-s Reagents for Indirect Antiglobulin Test, 1 x 3 mL			
SP723030	723030	Anti-S	1/pk
SP721830	721830	Anti-s	1/pk
Anti-K (Anti-Kell) Reagent for Indirect Antiglobulin Test, 1 x 5 mL			
SP715150	715150	Anti-K	1/pk
Anti-k (Anti-Cellano) Reagent for Indirect Antiglobulin Test, 1 x 3 mL			
SP721030	721030	Anti-k	1/vl
Anti-P1 (goat) Reagent for Saline Tube Test, 1 x 3 mL			
SP715530	715530	Anti-P1	1/vl
Anti-M and Anti-N (Rabbit) Reagents for Slide and Saline Tube Tests, 1 x 5 mL			
SP715850	715850	Anti-M	1/pk
SP715950	715950	Anti-N	1/pk
Anti-Jka and Anti-Jkb (Monoclonal) BioClone® Reagents for Tubes and Microplate Tests, 1 x 3 mL			
SP721380	721380	Anti-Jka BioClone®	1/pk
SP721480	721480	Anti-Jkb BioClone®	1/pk
Anti-Lea and Anti-Leb (Murine Monoclonal) BioClone® 2.0 Reagent for Tube Test, 1 x 5 mL			
SP715280	715280	Anti-Lea BioClone® 2.0 - 1 x 5 mL	1/pk
SP715380	715380	Anti-Leb BioClone® 2.0 - 1 x 5 mL	1/pk

ELUclear

ORTHO CLINICAL DIAGNOSTICS - A glycine acid red cell elution kit. Its intended use is to dissociate (elute) IgG antibodies from red cell membranes so that they can be identified using standard serological techniques.

Cat. No.	Mfr. No.	Description	Qty.
SPH360	H360	ELUclear	1/kt



General Purpose Reagents

ORTHO CLINICAL DIAGNOSTICS - Help to safely, accurately and efficiently screen patients—and deliver fast, accurate, standardized results, with proven and reliable reagents that integrate with the entire line of ORTHO products.

Cat. No.	Mfr. No.	Description	Qty.
SP6844285	6844285	ORTHO™ 7% BSA, 12 x 5 mL	12/pk

ID-Micro Typing System™ Buffers

ORTHO CLINICAL DIAGNOSTICS - MTS™ Diluent 2 and 2 PLUS is a red blood cell diluent for exclusive use with tests performed in the ID-Micro Typing System. These are a hypotonic buffered saline solution containing EDTA specially formulated to give the appropriate pH and ionic strength levels compatible with dextran acrylamide gel.

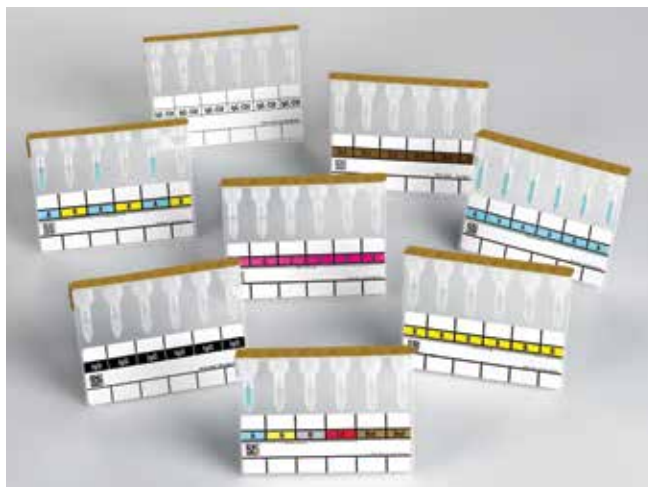
Cat. No.	Mfr. No.	Description	Qty.
SPMTS9230	MTS9230	MTS™ Diluent 2, 5 x 100 mL	5/pk
SPMTS9330	MTS9330	MTS™ Diluent 2 Plus, 5 x 100 mL	5/pk

ID-Micro Typing System™ Pipette Tips

ORTHO CLINICAL DIAGNOSTICS - MTS™ TipMaster/Biohit pipette tips are disposable tips for optimal use within ID-MTS systems.

Cat. No.	Mfr. No.	Description	Qty.
SPMTS9632	MTS9632	MTS™ TipMaster/Biohit pipette tips - bulk	1,000/pk
SPMTS9633	MTS9633	MTS™ TipMaster/Biohit pipette tips - racked 12 x 96	1,152/pk

More detailed instructions for use of each of these products can be downloaded at www.orthoclinical.com.



ID-Micro Typing System™ Gel Test Reagents

ORTHO CLINICAL DIAGNOSTICS - The ID Micro Typing System™ represents a breakthrough in blood bank serological testing by using cards consisting of microtubes prefilled with gel particles, diluent and appropriate antisera. The ID Micro Typing System™ is used for blood grouping, antibody screening and identification and cross-match testing.

Cat. No.	Mfr. No.	Description	Qty.
Antiglobulin Testing			
SPMTS84024	MTS084024	Anti-Human Globulin Anti-IgG (Rabbit) MTSTM Anti-IgG Card	100/pk
SPMTS85014	MTS085014	MTSTM Buffered Gel Card	100/pk
SPMTS84014	MTS084014	Anti-Human Globulin Anti-IgG, -C3d Polyspecific (Rabbit) MTSTM Anti-IgG, -3Cd Card	20/pk
ABO Grouping Cards – Monoclonal MTSTM cards			
SPMTS80515	MTS080515	MTSTM A/B/D Monoclonal and Reverse Grouping Card	100/pk
SPMTS81115	MTS081115	MTSTM A/B/D Monoclonal Grouping Card	100/pk
SPMTS80014	MTS080014	MTSTM Anti-A (Murine Monoclonal) Card	20/pk
SPMTS80015	MTS080015	MTSTM Anti-B (Murine Monoclonal) Card	20/pk
SPMTS80017	MTS080017	MTSTM A/B Monoclonal Grouping Card	100/pk
SPMTS80016	MTS080016	MTSTM Anti-A, B (Murine Monoclonal Blend) Card	20/pk
SPMTS81221	MTS081221	MTSTM Anti-D (Monoclonal) (IgM) Card	20/pk
SPMTS81001	MTS081001	MTSTM Monoclonal Control Card	20/pk
Rh Phenotyping Cards – Monoclonal MTS cards			
SPMTS80024	MTS080024	MTSTM Monoclonal Rh Phenotype Card	20/pk
SPMTS80210	MTS080210	MTSTM Anti-C (Monoclonal) Card	20/pk
SPMTS80310	MTS080310	MTSTM Anti-c (Monoclonal) Card	20/pk
SPMTS80212	MTS080212	MTSTM Anti-E (Monoclonal) Card	20/pk
SPMTS80312	MTS080312	MTSTM Anti-e (Monoclonal) Card	20/pk

Reagent Qualitative Controls

ORTHO CLINICAL DIAGNOSTICS - The ORTHO® Confidence System provides a means of confirming the reactivity of routinely used reagents. The Alba Q-Chek® kit is a whole-blood-based quality control system used to confirm the reactivity of routinely used reagents for ABP, Rh and antibody detection tests. FETALSCREEN™ II screens for the presence of RhD positive fetal cells in a sample of maternal whole blood.



Cat. No.	Mfr. No.	Description	Qty.
SP6902096	6902096	ORTHO® Confidence System	1/ea
SPZ498	Z498	Alba Q-Chek® Simulated Whole Blood Controls, 4 x 6 mL	4/ea
SPZ488	Z488	FETALSCREEN™ II FMH Kit	100/pk



Reagent Red Blood Cells

ORTHO CLINICAL DIAGNOSTICS - Reagent red blood cells are used in tests for the detection and identification of blood group antibodies.

Cat. No.	Mfr. No.	Description	Qty.
SP719201	719201	0.8% AFFIRMAGEN® reagent, 2 x 10 mL	2/pk
SP719211	719211	0.8% AFFIRMAGEN® 3 reagent, 3 x 10 mL	3/pk
SP719210	719210	3% AFFIRMAGEN® reagent, 2 x 10 mL	2/pk
SP6902314	6902314	0.8% ORTHO® Pooled Screening Cells, 2 x 10 mL	2/pk
SP719000	719000	3% ORTHO® Pooled Screening Cell, 1 x 20 mL	1/ea
SP719310	719310	3% ORTHO® A2 cell, 1 x 10 mL	1/ea
SP719810	719810	3% ORTHO® Coombs Control Cells, 1 x 10 mL	1/ea
SP6902317	6902317	0.8% RESOLVE® Panel A, 11 x 3 mL	11/pk
SP6902318	6902318	0.8% RESOLVE® Panel B, 11 x 3 mL	11/pk
SP6902319	6902319	0.8% RESOLVE® Panel C, 22 x 3 mL	22/pk
SP719510	719510	3% RESOLVE® Panel A, 11 x 3 mL	11/pk
SP719520	719520	3% RESOLVE® Panel B, 11 x 3 mL	11/pk
SP719410	719410	3% RESOLVE® Panel C, 22 x 3 mL	22/pk
SP6902316	6902316	0.8% SURGISCREEN® reagent, 3 x 10 mL	3/pk
SP719100	719100	3% SURGISCREEN® reagent, 3 x 10 mL	3/pk
SP6902315	6902315	0.8% SELECTOGEN® reagent, 2 x 10 mL	2/pk
SP719610	719610	3% SELECTOGEN® reagent, 2 x 10 mL	2/pk
SPH9000	H9000	HBS-C3 Control Cells, 1 x 3 mL	1/ea

More detailed instructions for use of each of these products can be downloaded at www.orthoclinical.com.

Blood Banking

Centrifuges

Hettich ROTIXA 500 RS Floor Model Centrifuge

HETTICH - The ROTIXA 500 RS is a compact and versatile high-volume blood processing centrifuge. With the capacity to spin up to (4) 1 L blood bags or 192 blood tubes, and the support of convenient accessories such as the Hettliner insert, the ROTIXA 500 RS is ideal for blood processing laboratories big and small. Its robust and steady temperature control system protects your samples by maintaining a consistent temperature throughout centrifugation. The ergonomic front-facing control panel is lockable and programmable with easy recall of application parameters, ensuring repeatability and limiting programming errors.

Specifications:

Maximum capacity..... 4 x 1,000 mL or 192 blood tubes
 Maximum speed..... 10,000 rpm
 Maximum RCF..... 17,441 x g
 Temperature control..... -20°C to +40°C
 Dimensions (H x W x D)..... 38.3 x 25.6 x 32 in.
 Power requirements..... 220 V, 60 Hz
 Warranty..... 5 years

Cat. No.	Mfr. No.	Description	Qty.
ROTIXA4BC	ROTIXABLOOD4-BC	ROTIXA 500 RS, horiz, (120) 13'S, 16'S	1/kt
ROTIDBAG4	ROTIXABLOODBAG4	ROTIXA 500 RS, horiz, (4) 450/500 mL	1/kt
ROTBAG4-HC	ROTIXABLOODBAG4-HC	ROTIXA 500 RS, horiz, (4) 750/1,000 mL	1/kt
4564HC	4564	Hettliner blood bag support	1/ea
4566HC	4566	Set of counterweights for 4584	1/ea



Hettich ROTO SILENTA 630 RS Floor Standing Centrifuge

HETTICH - Engineered for whole blood processing and large sample volumes, the ROTO SILENTA is capable of spinning (12) 750 mL blood bags with or without satellite bags. The ROTO SILENTA combines a powerful motor with a wide range of accessories and a secure, hygienic environment to enable a fast, safe workflow. Its low deck height and open chamber provide easy access to the centrifuge rotor for ergonomic loading and unloading. Additionally, open access to the centrifuge chamber simplifies the cleaning process and reduces regular maintenance. Use one rotor for 6 and 12-place blood bag setups.

Multiple accessories are available such as Hettliner bloodbag supports, Hettich loading station for double inserts, balancing inserts and counter weights for a complete effortless workflow.

Specifications:

Maximum capacity..... 6 x 2,000 mL
 Maximum speed..... 6,000 rpm
 Maximum RCF..... 6,520 x g
 Temperature control..... -20°C to +40°C
 Dimensions (H x W x D)..... 38.3 x 32 x 40 in.
 Power requirements..... 208 V, 3 phase, 60 Hz
 Warranty..... 5 years



Cat. No.	Mfr. No.	Description	Qty.
C8621-6320	5005-08	ROTO SILENTA 630 RS floor standing model	1/kt
SILENAG12A	SILENTABLOODBAG12A	ROTO SILENTA 630RS, horiz, (12) 450 mL	1/kt
SILENTG12B	SILENTABLOODBAG12B	ROTO SILENTA 630RS, horiz, (12) 500/750 mL	1/kt
SILEBAG12C	SILENTABLOODBAG12C	ROTO SILENTA 630RS, horiz, (12) 500/750 mL	1/kt
SILENG6-BC	SILENTABLOODBAG6-BC	ROTO SILENTA 630RS, horiz, (6) 450/500, Bio-lids	1/kt
SILENTG6HC	SILENTABLOODBAG6-HC	ROTO SILENTA 630RS, horiz, (6) 500 mL-1 L	1/kt
SILEND6-BC	SILENTABLOOD6-BC	ROTO SILENTA 630RS, horiz, (180) tubes	1/kt
4509HC	4509	Hettich loading station for double insert	1/kt
4564HC	4564	Hettliner blood bag support	1/kt
4587-AHC	4587-A	Balancing insert for no. 4592-H	1/kt
4566HC	4566	Set of counterweights for 4584	1/kt

Premier Series Plasma Freezers

CARDINAL HEALTH - These -30°C plasma freezers are designed to meet AABB, ANRC and FDA standards for safety and performance in plasma storage. Five models offer cabinet sizes and full-extension roll-out drawers to meet a variety of space needs and storage volume requirements.

- UL certified.
- Powerful industrial compressors
- Thick CFC free insulation
- Access port standard
- Adjustable temperature set point
- Adjustable temperature alarms
- Built in contacts for remote alarms
- Self-closing doors
- Adjustable steel drawers
- Built-in chart recorder (free standing on 4.9 cu ft)
- Automatic alarm test
- Additional lower temperature probe
- Smart defrost for temperature stability
- Standard chart recorder



Temperature range: -30°C (auto defrost)

Cat. No.	Cu. Ft. (Box Capacity)	Voltage (Hz)	Amps/Breaker (Plug)	Cabinet	Door	Drawers	Int. Dimensions* H x D x W in.	Ext. Dimensions* H x D x W in.	Ship Weight lbs.
R3863-3A	4.9 (78)	115 (60)	8.0/15 (P1)	Undercounter	Single, solid	2	20 x 20.5 x 20	33.4 x 26 x 24	220
R3850-3A	11.5 (273)	115 (60)	8.0/15 (P1)	Space saver	Single, solid	7	52.4 x 21 x 20	73.6 x 30 x 24	365
R3850-5A	23.3 (532)	115 (60)	16.0/20 (P2)	Upright	Single, solid	7	58 x 29 x 24	79.2 x 37.2 x 28	425
R3850-5D	23.3 (532)	208/230 (60)	12.0/15 (P4)	Upright	Single, solid	7	58 x 29 x 24	79.2 x 37.2 x 28	425
UPF3030A	29.2 (665)	115 (60)	16.0/20 (P2)	Upright	Single, solid	7	58 x 29 x 30	79.2 x 37.2 x 34	580
UPF3030D	29.2 (665)	208/230 (60)	12.0/15 (P4)	Upright	Single, solid	7	58 x 29 x 30	79.2 x 37.2 x 34	580
R3850-10A	51.1 (1064)	115 (60)	16.0/20 (P2)	Upright	Double, solid	14	58 x 29 x 52.5	79.2 x 37.2 x 56.5	600
R3850-10D	51.1 (1064)	208/230 (60)	12.0/15 (P4)	Upright	Double, solid	14	58 x 29 x 52.5	79.2 x 37.2 x 56.5	600

* Published interior volumes are nominal; useable cu. ft. capacities may be offset by shelves, drawers, blower coils, or cabinet protrusions. For specific cabinet dimensions and allowances, or for verification of clearance tolerances, contact our sales representative. Product performance may be affected by ambient temperature conditions, humidity conditions, sample loading preferences, and frequency of door openings. Contact our sales representative for specific inquiries regarding your application.

Blood Banking

Cold Storage - Freezers: Plasma

Plasma Freezers -30°C

NOR-LAKE SCIENTIFIC - Designed for secure plasma storage, these freezers feature a programmable logic microprocessor controller with LCD control panel and message center. They provide continuous product temperature display and include temperature chart recorder and chart paper. An air probe monitors temperature and includes high/low alarms, both audible and visual. Freezers offer two levels of user password protection: setpoints and parameters. There is a door-ajar alarm with adjustable delay, a power failure alarm and a 100-event alarm log that includes date/time stamp and product temperatures. Operating temperature is -30°C.

Available with one or two doors, freezers feature streamlined design to optimize airflow and maintain temperature uniformity. They have eight solid pullout stainless steel drawers per door. The units have a capacity of 48 to 300 mL packs per drawer. The interior and exterior front, sides and back are painted white. Complete cabinet is foamed-in-place with high-density polyurethane foam insulation. Doors have heavy-duty pivot hinges, full-length pull handles and key locks. Freezers also feature auto defrost and recessed interior light. They are mounted on four casters (two locking) for convenient mobility. UL/CUL-listed. Designed to meet AABB, ANRC and FDA requirements for plasma storage. Freezers are available with optional shelves, wire basket drawers, 4-20ma output, stainless steel interior and exterior. Rated for 115 V, 1 PH, 60 Hz, includes power cord with NEMA 5-20 plug. 18-month parts and labor, 5-year compressor (US and Canada) warranty.

Specifications:

BF211WWW0 (H x W x D)

Interior dimensions59 x 23½ x 30 in.

Exterior dimensions81½ x 27½ x 34¾ in.

BF482WWW0 (H x W x D)

Interior dimensions59 x 51 x 30 in.

Exterior dimensions83¼ x 55 x 34¾ in.

Cat. No.	Mfr. No.	Description	Qty.
BF211WWW0	NSBF211WWW/0	24 cu. ft. - 1 door, 8 drawers	1/ea
BF482WWW0	NSBF482WWW/0	52 cu. ft. - 2 doors, 16 drawers	1/ea



Undercounter Plasma Freezer

NOR-LAKE SCIENTIFIC - This plasma freezer is designed to meet AABB, ANRC and FDA requirements for plasma storage. Advanced engineered design incorporates the latest in cabinet, refrigeration, temperature control and monitoring features. The exterior cabinet is painted white and the back and bottom are made of galvanized steel. The interior liner and door panel are aluminum.

The freezer has a base-mount refrigeration system, an air-cooled condensing unit, automatic defrost, magnetic door gasket, pull handle and key lock. The cabinet and door are foamed-in-place with high-density polyurethane foam insulation. Freezer includes digital LED display microprocessor temperature controller, high/low product alarm, freestanding chart recorder, remote contacts, key door lock, 1 in. diameter sensor access port and leg levelers. UL/CUL-listed. 18-month parts and labor, 5-year compressor (US and Canada) warranty.

Specifications:

Plasma box capacity88

Number of drawers4

Temperature range-15°C to -35°C, factory preset at -30°C

Interior dimensions (H x W x D)25 x 20¾ x 16 in.

Exterior dimensions (H x W x D)31½ x 23¾ x 25 in.

Power requirements115 V, 60 Hz

Cat. No.	Mfr. No.	Description	Qty.
NSBF041WM0	NSBF041WMW/0	4.2 cu. ft. - 115 V, 60 Hz	1/ea





Thermo Scientific™ Jewett™ High-Performance Plasma Freezers

THERMO FISHER SCIENTIFIC - Jewett™ high-performance plasma freezers are designed to meet the highest standards for sensitive plasma freezing. These high-performance plasma freezers feature easy-to-use microprocessor controls and meet storage requirements large and small.

- High-density, CFC-free, blown-in insulation conforms to cabinet shape, to reduce gaps and increase temperature uniformity
- Powerful, industrial-grade compressors for optimal product protection and adjustable stainless steel drawers
- 1 in. insulated access port standard
- Positive, forced-air circulation maintains temperature uniformity throughout the cabinet
- Set of four 2 in. casters: two locking and two regular
- Lockable doors for added sample security
- Standard inkless, 7-day graphic temperature chart recorder
- Bright digital temperature display
- Microprocessor control system with audio and visual alarms
- Preset -30°C cabinets
- Hospital-grade plug

Cat. No.	Mfr. No.	Description	Qty.
JPL430A	JPL430A	4.7 cu. ft. - 115 V - 2 drawers	1/ea
JPL430D	JPL430D	4.7 cu. ft. - 240 V - 2 drawers	1/ea
JPL1230A	JPL1230A	11.5 cu. ft. - 115 V - 7 drawers	1/ea
JPL2330A	JPL2330A	23.3 cu. ft. - 115 V - 7 drawers	1/ea
JPL2330D	JPL2330D	23.3 cu. ft. - 240 V - 7 drawers	1/ea
JPL3030A	JPL3030A	29.2 cu. ft. - 115 V - 7 drawers	1/ea
JPL3030D	JPL3030D	29.2 cu. ft. - 240 V - 7 drawers	1/ea

Blood Banking

Cold Storage - Freezers: Plasma

Thermo Scientific™ Jewett™ Undercounter Plasma Freezer

THERMO FISHER SCIENTIFIC - Jewett™ undercounter freezers safely meet small storage requirements at -30°C. They are ideal for small storage needs and for confined spaces. Includes: HemaPro 101-3000 monitor.

Features include:

- Frost-free (hot gas or electric) operation
- CFC-free refrigerant
- HemaPro 101-3000 monitor alerts to unsafe conditions
- Storage for up to 88 (300 mL) plasma packs
- Forced-air circulation system for maximum temperature uniformity and rapid recovery times
- Single door, two drawers

Specifications:

Capacity5.4 cu. ft. (153 L)

Interior dimensions (D x W x H)21.5 x 19.37 x 20.37 in.

Exterior dimensions (L x W x H)24.12 x 24 x 36 in.

Cat. No.	Mfr. No.	Description	Qty.
CTF306-1B	CTF306-1B	Undercounter freezer - stainless steel - 5.4 cu. ft.	1/ea



Thermo Scientific TSX Series High-Performance Plasma Freezers

THERMO FISHER SCIENTIFIC - New TSX Series high-performance plasma freezers are designed to meet sustainability objectives, without compromising the performance to meet the requirements established by the AABB for the storage of plasma.

- V-drive technology adapts to usage patterns, adjusting compressor speed accordingly
- Convenient roll-out drawers
- Standard 7-day chart recorders

Cat. No.	Mfr. No.	Description	Qty.
TSX2330LA	TSX2330LA	23 cu. ft. plasma freezer, 115 V	1/ea



**Right products,
right time.**



Thermo Scientific™ Revco™ High-Performance Plasma Freezers

THERMO FISHER SCIENTIFIC - Revco™ high-performance plasma freezers feature microprocessor control for simplified operation and greater accuracy. These -30°C plasma freezers are designed to meet AABB and FDA standards for safety and performance in plasma storage. Five models offer cabinet sizes to meet a variety of space needs and storage volume requirements.

Automatic condensate removal and defrost, with sensor that automatically initiates defrost cycle on demand, eliminating need for a defrost timer, minimizing frost buildup and optimizing coil efficiency. Icon-based controls and displays. Preset temperature setpoint.

- Graphic thermometer is steady green when temperature is normal, flashes top bar for overtemperature, bulb for undertemperature
- Large, easy-to-read digital display shows temperature within 1°C
- Audible/visual warnings for overtemperature, undertemperature or power failure
- Key-operated OFF/ON/ALARM ON master switch for setpoint security
- Alarm silence, ringback and auto reset; remote alarm contacts
- Controller battery backup system
- Adjustable leveling feet
- High-density, CFC-free urethane foam insulation protects cabinet interior from ambient temperature fluctuations, minimizing operating costs
- Positive, forced-air circulation maintains uniformity at all shelf levels
- Directional airflow assures quick recovery after door openings
- Heavy-duty, hermetically-sealed compressors
- 1 in. (2.5 cm) access port with plug on undercounter model only

Specifications:
Temperature range.-30°C
Temperature resolution1°C
Temperature controlmicroprocessor

Cat. No.	Mfr. No.	Description	Qty.
UFP430-A	UFP430A	4.9 cu. ft. plasma freezer, 115 V	1/ea
UFP1230-A	UFP1230A	11.5 cu. ft. plasma freezer, 115 V	1/ea
UFP2330-A	UFP2330A	23.3 cu. ft. plasma freezer, 115 V	1/ea
UFP3030-A	UFP3030A	29.2 cu. ft. plasma freezer, 115 V	1/ea
UFP5030-A	UFP5030A	51.1 cu. ft. plasma freezer, 115 V	1/ea

Blood Banking

Cold Storage - Freezers: Ultra-Low Temperature



Low-Temperature Undercounter Freezer

NOR-LAKE SCIENTIFIC - This compact freezer has a heavy-duty refrigeration system and industrial-quality cabinet with one epoxy-coated wire shelf. The exterior is painted white, the back and bottom are galvanized steel and the interior liner and door panel are aluminum. The unit features a digital LED display microprocessor temperature controller, audible and visual alarm and remote alarm contacts. The base-mount refrigeration system has an air-cooled condensing unit, automatic defrost, magnetic gasket and door lock. The complete cabinet and door are foamed-in-place with EPA-compliant high-density polyurethane foam insulation. Operating temperature range is -15°C to -35°C with factory preset at -30°C. UL/CUL listed. 18-month parts and labor, 5-year compressor (US and Canada) warranty.

Specifications:

Number of shelves 1
 Temperature range..... -15°C to -35°C, factory preset at -30°C
 Interior dimensions (H x W x D)25 x 20¾ x 16 in.
 Exterior dimensions (H x W x D)31¾ x 23¾ x 25 in.
 Power requirements 115 V, 60 Hz

Cat. No.	Mfr. No.	Description	Qty.
NSXF041WM0	NSXF041WMW/0	4.2 cu. ft. freezer	1/ea



Thermo Scientific™ Revco™ -80°C Benchtop Freezers

THERMO FISHER SCIENTIFIC - The Revco™ -80°C Benchtop Freezer is ideal for personal or clinical trial applications. These benchtop freezers offer a full 1 cu. ft. (28 L) capacity, and help ensure the protection of your valuable samples.

- Air-cooled refrigeration systems are engineered to maintain design temperatures in warm 32°C (90°F) ambient conditions. (factory setpoint -30°C)
- Solid-state control system with adjustable temperature setpoint
- Digital temperature display resolution to 1°C
- Compact 25.2 x 30.7 in. (640 x 781 mm) footprint
- Industrial-grade hermetically-sealed refrigeration compressors
- All-steel cabinet with high-impact epoxy finish for easy cleaning
- 4 in. (102 mm) foamed-in-place, CFC-free urethane insulation to protect product against high ambient conditions
- Heavy-duty counterbalanced lid with key lock
- Thermal interior sublid
- Push button setpoint display
- Key operated main power switch
- Integrated preset overtemperature safety alarm with battery back-up and audible warning of temperature deviation
- Exterior alarm contacts for connection to remote monitoring system

Cat. No.	Mfr. No.	Description	Qty.
R3928-185A	ULT185-5-A	Benchtop freezer	1/ea

Online ordering services at
cardinalhealth.com put you
 in command.

Cold Storage - Freezers: Ultra-Low Temperature

Thermo Scientific™ Revco™ CxF Series -40°C and -86°C Ultra-Low Temperature Chest Freezers

THERMO FISHER SCIENTIFIC - Revco™ CxF Series chest freezers provide versatile and reliable sample storage.

These chest freezers deliver all the sample protection features of the ExF and DxF freezers in four convenient sizes and are available with a full range of racking solutions for maximum sample storage.

- Eye-level, easy-to-use microprocessor control panel
- Message center: 12-character alphanumeric LED displays setpoints, system status and alarm messages
- Access code to ensure setpoint security
- Heavy gauge, cold-rolled steel exterior construction with a powder-coat paint finish that resists chipping and rust and ergonomic, lockable door handle
- 5 in. (127 mm) foamed-in-place, polyurethane insulation
- Optional built-in chart recorder or data logger for continuous monitoring
- Stainless steel interior
- Easy-to-remove air filter
- Inner sub-lids protect bulk samples from ambient exposure during single sample retrievals
- Optional CO₂ or LN₂ safety back-up system for additional protection in the event of a power or mechanical failure
- RS-232 and 4-20 milliamp analog outputs for independent monitoring devices and recorders



Thermo Scientific™ Revco™ DxF Series -40°C Upright Freezers

THERMO FISHER SCIENTIFIC - Revco™ DxF Series upright freezers are designed for daily sample protection and dependability for applications requiring -10°C to -40°C.

- Easy-to-use, knee-level microprocessor control
- Five interior compartment doors
- Galvaneel interior in three sizes (13, 17.3 and 23 cu. ft.)
- Heavy-gauge, cold-rolled steel exterior construction
- 5 in. foamed-in-place, polyurethane insulation
- Optional, built-in chart recorder
- Sturdy, solid, stainless steel shelving
- Vacuum relief port
- Power management system with low voltage surge protection and buck/boost

Cat. No.	Mfr. No.	Description	Qty.
-40°C Ultra-Low Temperature Freezers			
ULT350-10A	ULT350-10-A	3 cu. ft. - 115 V, -40°C	1/ea
ULT135010A	ULT1350-10-A	12.7 cu. ft. - 115 V, -40°C	1/ea
ULT135010D	ULT1350-10-D	12.7 cu. ft. - 230 V, -40°C	1/ea
ULT175010A	ULT1750-10-A	17 cu. ft. - 115 V, -40°C	1/ea
ULT205010A	ULT2050-10-A	20 cu. ft. - 115 V, -40°C	1/ea
-86°C Ultra-Low Temperature Freezers			
ULT390-10A	ULT390-10-A	3 cu. ft. - 115 V, -86°C	1/ea
ULT139010A	ULT1390-10-A	12.7 cu. ft. - 115 V, -86°C	1/ea
ULT139010D	ULT1390-10-D	12.7 cu. ft. - 230 V, -86°C	1/ea
ULT179010A	ULT1790-10-A	17 cu. ft. - 115 V, -86°C	1/ea
ULT209010A	ULT2090-10-A	20 cu. ft. - 115 V, -86°C	1/ea

Cat. No.	Mfr. No.	Description	Qty.
DxF24040A	DxF24040A	13 cu. ft. - 115 V (240 box)	1/ea
DxF24040D	DxF24040D	13 cu. ft. - 208-230 V (240 box)	1/ea
DxF32040A	DxF32040A	17.3 cu. ft. - 115 V (320 box)	1/ea
DxF32040D	DxF32040D	17.3 cu. ft. - 208-230 V (320 box)	1/ea
DxF40040A	DxF40040A	23 cu. ft. - 115 V (400 box)	1/ea
DxF40040D	DxF40040D	23 cu. ft. - 208-230 V (400 box)	1/ea

Blood Banking

Cold Storage - Freezers: Ultra-Low Temperature



Thermo Scientific™ Revco™ ExF Series -86°C Upright Freezers

THERMO FISHER SCIENTIFIC - Revco™ ExF Series upright freezers are designed for daily sample protection and dependability for applications requiring -50°C to -86°C.

- Easy-to-use, eye-level microprocessor control
- Five interior compartment doors
- Stainless steel interior in four sizes (13, 17.3, 23 and 28 cu. ft.)
- Heavy-gauge, cold-rolled steel exterior construction
- 5 in. foamed-in-place, polyurethane insulation
- Optional, built-in chart recorder
- Sturdy, solid, stainless steel shelving
- Vacuum relief port
- Power management system with low voltage surge protection and buck/boost

Cat. No.	Mfr. No.	Description	Qty.
ExF24086A	ExF24086A	13 cu. ft. - 115 V (240 box)	1/ea
ExF24086D	ExF24086D	13 cu. ft. - 208-230 V (240 box)	1/ea
ExF32086A	ExF32086A	17.3 cu. ft. - 115 V (320 box)	1/ea
ExF32086D	ExF32086D	17.3 cu. ft. - 208-230 V (320 box)	1/ea
ExF40086A	ExF40086A	23 cu. ft. - 115 V (400 box)	1/ea
ExF40086D	ExF40086D	23 cu. ft. - 208-230 V (400 box)	1/ea
ExF60086D	ExF60086D	28 cu. ft. - 208-230 V (600 box)	1/ea



Thermo Scientific™ Revco™ UxF Series -86°C Upright Freezers

THERMO FISHER SCIENTIFIC - Revco™ UxF Series upright freezers are built specifically to protect the most critical samples, achieving outstanding thermal performance, safety and security through state-of-the-art engineering.

- Performance - Revco UxF Series feature an outstanding BTU (British thermal unit) reserve, leading to fast door opening recovery times so sample integrity isn't compromised.
- Safety and security - The highlight of the new Revco™ UxF Series is an innovative, touch-screen control panel. Here you can control all freezer settings and user authority levels, as well as monitor the freezer's health 24/7 and access a detailed event log. You can download a report of the event log to a portable drive via a built-in USB port.
- Sample storage capacity - Revco™ UxF Series freezers maximize sample storage capacity while minimizing the freezer's physical space inside your laboratory. Choose from five new capacities, storing up to 700 - 2 in. boxes or 525 - 3 in. boxes inside a single freezer.
- Energy-savings - Save up to 15% in energy usage* with the Revco™ UxF Series' energy-savings mode. Or, choose high-performance mode for applications requiring ultra-tight temperature uniformity - all through an easy-to-use, touch screen interface.

*Compared to energy-savings model

Cat. No.	Mfr. No.	Description	Qty.
UxF30086A	UxF30086A	14.9 cu. ft. - 115 V (300 box)	1/ea
UxF30086D	UxF30086D	14.9 cu. ft. - 208-230 V (300 box)	1/ea
UxF40086A	UxF40086A	19.4 cu. ft. - 115 V (400 box)	1/ea
UxF40086D	UxF40086D	19.4 cu. ft. - 208-230 V (400 box)	1/ea
UxF50086A	UxF50086A	24.1 cu. ft. - 115 V (500 box)	1/ea
UxF50086D	UxF50086D	24.1 cu. ft. - 208-230 V (500 box)	1/ea
UxF60086A	UxF60086A	28.8 cu. ft. - 115 V (600 box)	1/ea
UxF60086D	UxF60086D	28.8 cu. ft. - 208-230 V (600 box)	1/ea
UxF70086D	UxF70086D	33.5 cu. ft. - 208-230 V (700 box)	1/ea

Premier Series Blood Bank Refrigerators

CARDINAL HEALTH - Premier Series blood bank refrigerators are designed to meet strict requirements established by the AABB, ANRC and FDA for storage of whole blood and blood components. The complete selection of +4°C refrigerators feature simplified push-button alarm test functions and reliable, field-proven refrigeration systems designed for the most demanding applications.

- UL certified.
- Powerful industrial compressors
- Thick CFC free insulation
- Access port standard
- Adjustable temperature set point
- Adjustable temperature alarms
- Built in contacts for remote alarms
- Self-closing doors
- Adjustable steel drawers
- Built-in chart recorder (free standing on 4.9 cu. ft.)
- Automatic alarm test
- Additional lower temperature probe
- Smart defrost for temperature stability
- Standard chart recorder



R3840-10A

Temperature range: +1°C to +8°C, factory pre-set to +4°C (auto defrost)

Cat. No.	Cu. Ft. (Bag capacity)	Voltage (Hz)	Amps/ Breaker (Plug)	Cabinet	Door	Drawers	Int. Dimensions* H x D x W Inches	Ext. Dimensions* H x D x W Inches	Ship Weight lbs.
R3863-4A	4.9 (64)	115 (60)	8.0/15 (P1)	Undercounter	Single, solid	2	20 x 20.5 x 20	33.4 x 26 x 24	220
R3840-3A	11.5 (192)	115 (60)	9.4/15 (P1)	Space saver	Single, glass	6	52.4 x 21.8 x 20	73.6 x 29.4 x 24	320
R3840-5A	23.3 (385)	115 (60)	9.4/15 (P1)	Upright	Single, glass	7	58 x 29 x 24	79.2 x 36.4 x 28	470
R3840-5D	23.3 (385)	208/230 (60)	6.0/15 (P4)	Upright	Single, glass	7	58 x 29 x 24	79.2 x 36.4 x 28	470
R3840-6A	29.2 (426)	115 (60)	9.4/15 (P1)	Upright	Single, glass	6	58 x 29 x 30	79.2 x 36.4 x 34	505
TFSBB304D	29.2 (426)	208/230 (60)	6.0/15 (P4)	Upright	Single, glass	6	58 x 29 x 30	79.2 x 36.4 x 34	505
R3840-10A	51.1 (770)	115 (60)	15/20 (P2)	Upright	Double, glass	14	58 x 29 x 52.5	79.2 x 36.4 x 56.5	640
R3840-10D	51.1 (770)	208/230 (60)	8.5/15 (P4)	Upright	Double, glass	14	58 x 29 x 52.5	79.2 x 36.4 x 56.5	640

* Published interior volumes are nominal; useable cu. ft. capacities may be offset by shelves, drawers, blower coils, or cabinet protrusions. For specific cabinet dimensions and allowances, or for verification of clearance tolerances, contact our sales representative. Product performance may be affected by ambient temperature conditions, humidity conditions, sample loading preferences, and frequency of door openings. Contact our sales representative for specific inquiries regarding your application.

** Nominal capacity based on 450 mL whole blood bags.

Blood Banking

Cold Storage - Refrigerators

Blood Bank Refrigerators

NOR-LAKE SCIENTIFIC - These blood bank refrigerators feature an industrial-quality cabinet with a heavy-duty refrigeration system to help you maintain your valuable materials. Available with one or two full-size glass doors with a variety of monitoring instrumentation. Air-temperature probe with high/low alarms, two product temperature probes with high/low alarms, a 7-day electric chart recorder with battery backup, power failure alarm, continuous LCD display of air and product temperatures, two levels of user password protection and 100-event alarm logging with date/time stamp and product temperatures.

All models feature a streamlined unit cooler design that optimizes capacity and helps improve airflow and uniformity. Other features include air-cooled condensing unit, automatic condensate evaporation, microprocessor PLC control with digital display, automatic defrost, fluorescent interior lighting and doorframe heaters.

The cabinet is foamed-in-place with high-density polyurethane insulation. The exterior front is white baked enamel. The exterior top and bottom are galvanized steel. The interior is painted white and there are eight stainless-steel drawers per door. Self-closing double-pane glass doors have heavy-duty pivot hinges and pull handles with key lock and self-adjusting magnetic gaskets. Four casters (two locking) on one- and two-door models. Preset at 4°C. UL/CUL listed. Meets AARB, ANRC and FDA requirements. 18-month parts and labor, 5-year compressor (US and Canada) warranty.

Specifications:

Temperature range.....1°C to 6°C
Power requirement115 V, 60 Hz

BR241WWG0

Interior dimensions (H x W x D)59 x 23½ x 30 in.
Exterior dimensions (H x W x D).....79¾ x 27½ x 35½ in.

BR522WWG0

Interior dimensions (H x W x D)59 x 51 x 30 in.
Exterior dimensions (H x W x D).....79¾ x 55 x 35½ in.



Cat. No.	Mfr. No.	Description	Qty.
BR241WWG0	NSBR241WWG/0	24 cu. ft. - 1 door	1/ea
BR522WWG0	NSBR522WWG/0	52 cu. ft. - 2 doors	1/ea

Undercounter Blood Bank Refrigerator

NOR-LAKE SCIENTIFIC - Designed to meet the AABB, ANRC and FDA requirements. Advanced engineered design incorporates the latest in cabinet, refrigeration, temperature control and monitoring features. Digital LED display microprocessor temperature controller with continuous product temperature display. Audible and visual Hi/Lo temperature alarm.

The cabinet is foamed-in-place with EPA-compliant high-density polyurethane foam insulation. Base mounted forced air front-breathing refrigeration system. The exterior cabinet is painted white and the back and bottom are made of galvanized steel. The interior liner is smooth aluminum and includes 4 drawers. Heavy-duty glass door with self-closing hinges and pull handle with key lock and magnetic door gasket. 18-month parts and labor, 5-year compressor (US and Canada) warranty.

Specifications:

Blood bag capacity.....88
Number of drawers4
Temperature range.....2°C to 8°C, factory preset at +4°C
Interior dimensions (H x W x D)25 x 20¾ x 16 in.
Exterior dimensions (H x W x D).....31¾ x 23¾ x 25 in.
Power requirements115 V, 60 Hz



Cat. No.	Mfr. No.	Description	Qty.
NSBR041WM0	NSBR041WMG/0	4.2 cu. ft. refrigerator	1/ea



Thermo Scientific™ Jewett™ High-Performance Blood Bank Refrigerators

THERMO SCIENTIFIC - Jewett high-performance blood bank refrigerators provide fast pull-down, rapid temperature recovery and outstanding +4°C temperature uniformity for refrigerated blood and blood products.

Jewett high-performance blood bank refrigerators are designed to provide years of reliable performance and to meet the strict requirements established by the AABB. Units hold 64 to 770 bags (depending on model), maintain a consistent temperature and quickly recover setpoint temperature after the door has been opened and closed.

- Operating temperature 2°C to 4°C (factory preset at 4°C)
- Microprocessor control
- High-density CFC-free, blown-in insulation
- Powerful, industrial-grade compressors
- 1 in. insulated access port
- Positive, forced-air circulation
- Set of four 2 in. casters: two locking and two regular
- Spring-loaded, self-closing doors with 90° stay-open feature with lockable doors for added sample security
- Hospital-grade plug
- Standard inkless, 7-day graphic chart recorder
- Environmentally-friendly, mercury-free, LED interior lighting
- Standard safety glass, double-pane doors (solid undercounter door)
- Adjustable stainless-steel drawers

Cat. No.	Mfr. No.	Description	Qty.
JBB404A	JBB404A	4.9 cu. ft. refrigerator	1/ea
JBB1204A	JBB1204A	11.5 cu. ft. refrigerator	1/ea
JBB2304A	JBB2304A	23.3 cu. ft. refrigerator	1/ea
JBB3004A	JBB3004A	29.2 cu. ft. refrigerator	1/ea
JBB5004A	JBB5004A	51.1 cu. ft. refrigerator	1/ea

Blood Banking

Cold Storage - Refrigerators



Thermo Scientific™ Jewett™ Pass-Thru Blood Bank Refrigerator

THERMO SCIENTIFIC - Jewett pass-thru blood bank refrigerators offer convenience when multiple entry points are required.

Cat. No.	Mfr. No.	Description	Qty.
BBR25D-1B	BBR25D-1B	24.8 cu. ft. - HemaPro 2000 temp. surveillance module	1/ea



Thermo Scientific TSX Series High-Performance Blood Bank Refrigerators

THERMO SCIENTIFIC - New TSX Series high-performance blood bank refrigerators are designed to meet sustainability objectives, without compromising the performance to meet the requirements established by the AABB for the storage of blood.

- V-drive technology adapts to usage patterns, adjusting compressor speed accordingly
- Convenient roll-out drawers
- Standard 7-day chart recorders

Cat. No.	Mfr. No.	Description	Qty.
TSX2304BA	TSX2304BA	23 cu. ft. refrigerator, 115 V	1/ea





Thermo Scientific™ Revco™ Blood Bank Refrigerators

THERMO SCIENTIFIC - Revco™ high-performance blood bank refrigerators are designed to meet strict requirements established by the AABB for storage of whole blood and blood components.

They feature microprocessor control systems, positive airflow systems, industrial-quality cabinet construction and extra-strength refrigeration compressors designed for industrial, clinical and scientific use.

Positive, forced-air circulation maintains temperature uniformity throughout. Directional airflow assures quick recovery after door is opened. High-density, CFC-free urethane foam insulation protects cabinet from ambient temperature fluctuations and minimizes operating costs.

Heavy-duty, industrial-grade, hermetically-sealed compressors. Automatic condensate removal and defrost. Digital electronic technology designed to simplify operation and deliver greater accuracy. Factory-preset temperature setpoint at 4°C. Adjustable temperatures between 1°C and 8°C.

Icon-based controls. Large digital display that shows temperature within 0.1°C. Graphic thermometer shows steady green for normal temperature, flashes top bar for overtemperature and flashes bulb for undertemperature.

- Sensor automatically initiates defrost cycle on demand, eliminating need for a timer, minimizing frost buildup and optimizing coil efficiency
- Key-operated ON/OFF/ALARM ON master switch for setpoint security; audible/visual warnings for temperature deviations or power failure
- Alarm silence, ringback and auto reset and remote alarm contacts
- Controller battery backup system
- Lockable doors self-close against closed-cell peripheral gasket
- Dual-pane glass viewing door(s) insulated to prevent condensation
- Adjustable, full-extension, stainless steel drawers
- Interior cabinet lights (except undercounter model)
- Door-activated ON/OFF switch and independent switch on panel
- Undercounter model (solid door) and 1 in. dia. access port with plug

Cat. No.	Mfr. No.	Description	Qty.
R3900-6A	REB404A	4.9 cu. ft. refrigerator, 115 V	1/ea
REB1204-A	REB1204A	11.5 cu. ft. refrigerator, 115 V	1/ea
REB2304-A	REB2304-A	23.3 cu. ft. refrigerator, 115 V	1/ea
REB5004-A	REB5004A	51.1 cu. ft. refrigerator, 115 V	1/ea

Blood Banking

Cold Storage - Speciman Shippers and Transport



Max+ Blood Shippers

MAXQ - Innovative, no-bench-time blood packaging, shipping and storage solutions. Hospital-optimized, pre-qualified systems deliver maximum value.

From the OR and ER to transfusion and STAT blood calls, Max+ Blood Shippers provide an advanced new way to transport and manage blood products with unprecedented thermal performance, validated safety, revolutionary payload-to-size efficiency, and peace of mind. With a host of exceptional benefits, they're ideal for packed red cells, whole blood, platelets, plasma, and more.



- Portable, lightweight, economic, reusable systems
- Ergonomic handling - hinged lid and straps
- Pre-qualified for refrigerated (1°C to 6°C), and room temperature (20°C to 24°C) needs with no bench time*
- Longest temperature hold times
- Spill proof, easy to clean
- User-specific branding available (logo, colors etc.)
- No need for thawing gel packs

Max+ blood shippers are sold as a kit which includes the insulated box, payload insert, strap, preliminary validation report and step-wise pack-out instructions.

Cat. No.	Mfr. No.	Description	Qty.
Refrigerated: 1°C to 6°C			
MR10MB	R10MB	3 L volume - 11 x 11 x 10.75 in.	1/ea
MR12MB	R12MB	8 L volume - 13 x 13 x 12.75 in.	1/ea
MR14MB	R14MB	12 L volume - 14.5 x 15 x 14.5 in.	1/ea
Room Temperature: 20°C to 24°C			
MRT10MB	RT10MB	3 L volume - 11 x 11 x 10.75 in.	1/ea
MRT12MB	RT12MB	8 L volume - 13 x 13 x 12.75 in.	1/ea
MRT14MB	RT14MB	12 L volume - 14.5 x 15 x 14.5 in.	1/ea



E Series RBC Shippers

MAXQ - Economical systems for transporting RBCs, designed and validated for customer requirements.

- Universal pack-out, no-bench-time, pack-out instructions included
- Pre-qualified for 48+ hours
- Validated for different ambient temperatures (summer, winter)
Pack: 3-20 units of RBCs
- Ergonomic design, durable handles for easy lifting
- Spill proof, easy to clean - highly reusable
- User-specific branding available (logo, colors etc.)

E Series RBC shippers are sold as a kit which includes a plastic insulated outer box (1), gel packs (8), payload tray (1), gel pack separators (2), preliminary validation report and step-wise pack-out instructions.

Cat. No.	Mfr. No.	Description	Qty.
MRBC20M48	RBC20M48	17 L volume - 20.75 x 15.5 x 14 in.	1/ea

Timing is everything...

call today for prompt shipments of
your laboratory supplies.

Cold Storage - Speciman Shippers and Transport



E Series Single Use RBC Shippers

MAXQ - Economical systems, pre-qualified for transporting RBCs, designed and validated for customer requirements.

- Universal pack-out, no bench time, pack-out instructions included
- Pre-qualified for 48+ hours
- Validated for different ambient temperatures (summer, winter)
- Pack: 3-20 units of RBCs

E Series RBC shippers are sold as a kit which includes a cardboard insulated outer box (1), gel packs (4), payload tray (1), gel pack separators (2), preliminary validation report and step-wise pack-out instructions.

Cat. No.	Mfr. No.	Description	Qty.
M1RBC20M48	1RBC20M48	17 L volume - 20.5 x 15.25 x 13.75 in.	1/ea



Q Series Diagnostic Specimen Shippers

MAXQ - Pre-qualified, reusable systems for transporting 1 to 512+ Vacutainers® at refrigerated temperature (2°C to 8°C).

- Pre-qualified for time (24+ hours)
- Validated for different ambient temperatures (summer, winter)
- Leak, spill proof - includes absorbent pads, poly bag
- Hinged lid and handles, shoulder strap included
- Document pouch, tamper seal latch also available
- Pack-outs from 1 up to 512+ Vacutainers®
- User-specific branding available (logo, colors etc.)

Q Series Diagnostic Specimen shippers are sold as a kit which includes a plastic insulated outer box (1), gel packs (7), payload insert (1), Absorbent pads (2), Polybag (1), preliminary validation report and step-wise pack-out instructions.

Cat. No.	Mfr. No.	Description	Qty.
MR16M24	R16M24	22 L volume - 17.75 x 17.5 x 15.75 in.	1/ea



Via® Blood Transporter

THERMOSAFE - Ideal for the transport and temporary storage of packed red blood cells, platelets, specimens and organs. Durable construction combined with ergonomic handling features will withstand years of use.

Insulated expanded polypropylene medical transporter tote is an insulated carrier ideal for on-site collection, storage and transport of temperature-sensitive specimens, medications, medical devices and organs.

- Ideal for storage of blood products
- ZERO BENCH-TIME™ refrigerant technology
- Pre-qualified to maintain packed red blood cells

Transporters are ideal for the temporary storage of blood and blood products in the operating room and the transport of medications, medical devices, specimens and organs. ZERO BENCH-TIME™ refrigerant technology reduces assembly process for time and temperature critical materials. Pre-qualified to maintain packed red blood cells at 1°C to 6°C and 1°C to 10°C. Simple, reusable ergonomic design utilizes leading edge technology to provide ultimate temperature protection.

Solution includes a designated platelet pouch for secure transport, PureTemp® refrigerant bottles for proper temperature control, a wire basket and pads for secure product position, a transparent document holder with dual side access, an affixed assembly diagram with easy-to-follow instructions and a shoulder strap and pad for comfortable transport.

Specifications:

Storage	1°C to 6°C for 8 hours
Transport	1°C to 10°C for min. 12 hours
Ambient profile	room temp (72°F/22°C)
Capacity	3 to 7 blood bags (250 mL each)
Insulation	expanded polypropylene (EPP)
Dimensions (L x W x H)	inside 9.11 x 7.3 x 6.65 in., outside 17.7 x 14.5 x 14.44 in.

Cat. No.	Mfr. No.	Description	Qty.
B1R8HU	B1R8HU	Refrigerated blood transporter	1/ea

Blood Banking

Plasma Thawers



Plasma Thawing Bath

CARDINAL HEALTH - This plasma thawer is designed for use in blood banks and laboratories where it is required to thaw up to four units of Fresh Frozen Plasma (FFP) or Cryoprecipitated AHF or Plasma Frozen within 24 hours after Phlebotomy (PF24) for future infusion into a patient. It offers both controlled temperature and agitation to thaw various volumes of plasma via two independently controlled baskets that accommodate up to two plasma bags per basket. The digital microprocessor control offers rapid temperature recovery and optimal temperature stability to reduce the time required to thaw multiple bags. The easy-to-program user interface allows multiple time options for thawing various-sized bags. Upon completion of a timed cycle, the baskets will automatically raise from the bath. Advanced safety features will notify the user of unsafe conditions and raise the baskets upon alarm activation. Designed to meet FDA standards for safety and performance in plasma thawing. Certified to applicable UL and CSA standards – 60601-1 and 61010-1. Disposable overwrap protection bags (available separately) provide security and protection from contamination. FDA cleared.

Specifications:

Thawing capacity 4 bags
Baskets 2 stainless steel
Electrical 120 V, 50/60 Hz 7 A, 900 W

Chamber

Drain time Approx. 5 min.
Material Stainless steel
Volume 17.98 L (4.75 gal.)

Temperature

Accuracy +/- 0.3°C
Setpoint 36°C fixed

Dimensions (W x L x H)

Exterior 18½ x 16¼ x 14¾ in. (43 x 41.3 x 37.5 cm)
Overall 21¾ x 23 x 15½ in. (55.2 x 58.4 x 39.4 cm)
Chamber 15½ x 11 x 7½ in. (39.4 x 27.9 x 19.1 cm)

Cat. No.	Description	Qty.
CH-PT1000	Plasma thawing bath	1/ea
Accessories		
CH-PTBAG	Overwrap protection bags	250/bx
CH-PTCOVER	Chamber cover	1/ea
CH-PTTHERM	Plasma thawer thermometer	1/ea



SAHARA-III - Dry Tempering System

SARSTEDT - SAHARA-III is a dry tempering system that enables blood components such as frozen plasma, cryo preparations, whole blood or erythrocytes to be thawed or warmed prior to transfusion. The tempering process is carried out dry without the use of water. Instead of water, heat is transferred from a temperature-controlled warming plate to the blood components according to the principle of thermal conduction (SAHARA-III basic model) and from highly turbulent, temperature-controlled heated ambient air according to the principle of forced convection (SAHARA-III basic model and SAHARA-III MAXITHERM). The SAHARA-III warming plate can accommodate up to three blood bags, while the SAHARA-III MAXITHERM non-warming double plate can accommodate up to six blood bags.

- Contamination risks by waterborne pathogens associated with water baths are prevented
- Standardized thawing and warming procedure
- Active drying of the bag surface provides hygienic conditions surrounding the blood bag
- Contactless measurement of the blood component temperature by an infrared sensor
- Fast availability of frozen blood components due to ice-free indication
- Gentle agitation to achieve an almost homogeneous temperature profile within the blood bag and to help prevent damage to the blood
- Tempering of different blood components
- No disposables or consumables required for operation

Cat. No.	Mfr. No.	Description	Qty.
S978710502	97.8710.502	SAHARA-III	1/ea
S978710802	97.8710.802	SAHARA-III MAXITHERM	1/ea

HemoTemp® II Activator

BIOSYNERGY - This activator offers an accurate source of heat, which is ideal for activating the irreversible portion of HemoTemp® II Indicator BIO3000A. It helps eliminate uncertainty about whether the irreversible indicator was properly heat activated. The activator also provides temperature uniformity in the heat block maintained to within $\pm 0.5^{\circ}\text{C}$. The block model heater is designed to hold and heat 12 HemoTemp® II indicators. Indicators can stay in the activator for up to three weeks. The activator is UL approved.



Cat. No.	Mfr. No.	Description	Qty.
BIO9000	9000	HemoTemp® II activator	1/ea

Culture Tubes

CARDINAL HEALTH - Culture tubes are for general applications in blood banks, hematology, bacteriology, virology and tissue culture. These are premium-quality borosilicate glass tubes with a sturdy, uniform bottom and consistent length. Packaged in four shrink-wrapped shelf packs.



Cat. No.	Description	Qty.
SP1290-2	10 x 75mm tubes	250 pk, 1,000/cs
SP1290-3	12 x 75mm tubes	250 pk, 1,000/cs
SP1290-4	13 x 100mm tubes	250 pk, 1,000/cs
SP1290-6	16 x 100mm tubes	250 pk, 1,000/cs
SP1290-13	13 x 45mm tubes	250 pk, 1,000/cs

Hematype Segment Device

DYNAMIC DIAGNOSTICS - Hematype segment device is a single-use segment sampling device that is designed to help safely access blood from a segment. Avoid risk of sharp injuries or splatter from scissors. Reduce potential of blood sample cross contamination.



Cat. No.	Mfr. No.	Description	Qty.
4R-5126A	4R-5126	Hematype segment device	500/pk

Certified Blood Bank Saline

CARDINAL HEALTH - Blood bank saline remains stable without preservatives. This highly pure sodium chloride solution is for specific use in immunohematologic testing procedures. Meets NCCLS standard ASI/BB-1 for standard isotonic sodium chloride solution for immunohematologic testing and is pH controlled to be 6.0 to 7.5. For in vitro diagnostic use only. For use as a laboratory diluent. **Note:** Not for infusion, irrigation or injection. For laboratory use only. Comes in 4 L and 10 L Cubitainer® containers with dispensing spigot.



Cubitainer® is a registered trademark of Hedwin Corporation.

Cat. No.	Description	Qty.
B3158-2	4 L	4/cs
B3158-3	10 L	1/ea

Immu-Sal® Immuno-hematological Saline

CARDINAL HEALTH - Immu-Sal® immuno-hematological saline contains a preservative to inhibit contamination and gelatin to permit easier resuspension of the cell button. This saline has proven performance for blood bank use. For in vitro diagnostic use only. **Note:** Not for infusion, injection or irrigation. For laboratory use only. Convenient disposable Cubitainer® containers have a dispensing spigot. 9.48 L (2.5 gal.).



Immu-Sal® is a registered trademark of Dade Behring, Inc. Cubitainer® is a registered trademark of Hedwin Corporation.

Cat. No.	Description	Qty.
B5052-25	Immu-Sal® immuno-hematological saline	1/ea

Blood Bank Saline

AZER SCIENTIFIC - Standard isotonic sodium chloride solution for automated and manual immunohematologic testing. Has a pH level between 6.5 and 7.0. Meets NCCLS standards ASI/BB-1. 10 L and 20 L cube includes a spigot for easy dispensing. **NOTE:** This product is not for infusion, irrigation, or injection.



Cat. No.	Mfr. No.	Description	Qty.
ES124410L	ES124410L	10 L cube with spigot	1/ea
ES124420L	ES124410L	20 L cube with spigot	1/ea

Blood Banking

Trays and Organizers



Blood bag organizer S1389-1 and blood bag tray S1389-2



Blood bag two compartment tray CHBBTR-2



Blood bag four compartment tray CHBBTRY-4

Blood Bag Organizers

CARDINAL HEALTH - Blood Bag Organizers have four removable trays in a sturdy acrylic holder that fits into most drawer-type refrigerators. The organizer was designed so that blood bags can be easily stored by type and Rh factor. In addition, it keeps the bags from coming into direct contact with the refrigerator shelf. Each tray has a handle at both ends and holds up to eight blood bags. Trays may be purchased separately. Each tray is made of sturdy, clear acrylic. Two- and four-compartment trays may be used separately or used in the organizer. May be used in blood bag holder S1389-3.

Cat. No.	Description	Dimensions (H x W x D)	Qty.
S1389-1	Organizer	5 x 22½ x 18¾ in.	1/ea
S1389-2	Tray	5 x 5 x 18¾ in.	1/ea
S1389-3	Tray holder	3 x 22½ x 18¾ in.	1/ea
CHBBTR-2	2-compartment tray	5 x 5 x 4¾ in.	1/ea
CHBBTRY-4	4-compartment tray	5 x 5 x 9¼ in.	1/ea



Blood bag holder multi-trays, holds 6 - CHBBHTRY6, holds 12 - CHBBHTRY12



Single blood bag holders

Single Blood Bag Holders and Blood Bag Multi-trays

CARDINAL HEALTH - These holders keep blood bags upright to help prevent contact with refrigerator shelves. The clear acrylic allows visibility of bag and labels. The bag holders are easy to clean with soap, water and disinfectants. Their compact size allows for easy storage in a refrigerator or refrigerator door, and their gentle clamp design helps keep them in place during processing, storage and transport. Dimensions (W x H x D): 4 x 4½ x 2 in. Blood bag holder multi-trays provide for organization, transport and storage of groups of blood bag holders. Two sizes available, 6-single blood bag holder 15 L x 5¼ in. W and 12-single blood bag holder 30 L x 5¼ in. W.

Cat. No.	Description	Color	Qty.
S1389-169	Single holder	Clear	1/ea
S1389-171	6-pack, holders	Clear	1/ea
S1389-170	12-pack, holders	Clear	1/ea
CHBBHBLU-1	Single holder	Neon blue	1/ea
CHBBHGRN-1	Single holder	Neon green	1/ea
CHBBHRED-1	Single holder	Neon red	1/ea
CHBBHYLW-1	Single holder	Neon yellow	1/ea
CHBBHBLU-6	6-pack, holders	Neon blue	1/ea
CHBBHGRN-6	6-pack, holders	Neon green	1/ea
CHBBHRED-6	6-pack, holders	Neon red	1/ea
CHBBHYLW-6	6-pack, holders	Neon yellow	1/ea
CHBBHBLU12	12-pack, holders	Neon blue	1/ea
CHBBHGRN12	12-pack, holders	Neon green	1/ea
CHBBHRED12	12-pack, holders	Neon red	1/ea
CHBBHYLW12	12-pack, holders	Neon yellow	1/ea
CHBBHTRY6	Multi-tray, holds 6	Clear	1/ea
CHBBHTRY12	Multi-tray, holds 12	Clear	1/ea



Bloodbank Crossmatch Racks

CARDINAL HEALTH - Process patient blood specimens easily and conveniently with these blood culture racks. Up to 12 patient specimens can be processed at one time and the heavy-duty clear acrylic rack may be easily cleaned and sterilized. Holes are laid out to allow the technician to dilute specimen from right to left, left to right or from the top down.

Racks have 16 mm holes for patient tubes on all outside rows (except the bottom row) and all other holes have a 13 mm diameter to fit a standard 12 x 75 mm disposable culture tube. Two sizes are available (small unit has six each (13 mm) holes down by six each (13 mm) holes across; large unit has six each (13 mm) holes down by 12 each (13 mm) holes across).

Cat. No.	Size	Dimensions (H x W x D)	Qty.
S1389-148	Small	2½ x 9 x 8½ in.	1/ea
S1389-145	Large	2½ x 15 x 8½ in.	1/ea

Blood Collection Tube Organizer

CARDINAL HEALTH - This organizer is comprised of a blood collection tube dispenser and a blood collection tube rack/lid. The blood collection tube dispenser holds tubes up to 100 mm in length for easy access by the phlebotomist. Once a blood sample is drawn, the tube may be stored in the rack on top of the dispenser. This rack holds up to 24 tubes, 16 mm in diameter or less. To fill, lift the rack/lid and allow the tubes to roll from their package into the dispenser. A sloped bottom guides the tubes toward an opening in the dispenser's front panel. The dispenser and the rack/lid may be purchased separately.



Cat. No.	Description (H x W x D)	Qty.
S1389-4	Organizer, 11¼ x 4¾ x 7½ in.	1/ea
S1389-5	Rack/lid	1/ea
S1389-6	Dispenser	1/ea



Phlebotomy Cabinets

CARDINAL HEALTH - These cabinets have a hinged front cover to protect its contents from dust. The cover is made of clear acrylic so the contents can be readily identified. Six compartments, each 4¾ x 4¾ in., provide room to organize and store a variety of items. The top surface has ample room for additional items or small storage units, such as the mini-dispensing bin S1389-40.

Cat. No.	Description	Dimensions (H x W x D)	Qty.
S1389-52	Phlebotomy cabinet	10¾ x 15 x 6 in.	1/ea



Phlebotomy Organizer

CARDINAL HEALTH - This organizer was designed with the phlebotomist in mind. The eight compartments, 4 x 4¾ in. each, hold blood collection tubes, swabs, needles, cotton balls and any other item used in blood collection. It is made to fit on the table top of most phlebotomy carts.

Cat. No.	Description	Dimensions (H x W x D)	Qty.
S1389-51	Phlebotomy organizer	10 x 15 x 5 in.	1/ea

Flow Cytometry

Controls and Calibrators

CD-Chex CD34®

STRECK - CD-Chex CD34® is a positive procedure control for enumerating CD34 positive cells by flow cytometry. It is a preparation of human blood to be used when evaluating CD34 antibody binding by flow cytometry. Compatible with ISHAGE gating strategies, as well as these commercially available kits: BD Biosciences ProCOUNT™ Progenitor Cell Enumeration Kit, BD™ Stem Cell Enumeration Kit and Beckman Coulter® Stem-Kit™.

Stability: 90-day closed-vial stability, 30-day open-vial stability.



Cat. No.	Mfr. No.	Description	Qty.
B3170-12A	213346	1 x 1 mL, level 2	1/ea
213382	213382	1 x 1 mL, level 3	1/ea
B3170-13	213347	2 x 1 mL, level 2	2/ea
213383	213383	2 x 1 mL, level 3	2/ea
B3170-51	213339	4 x 1 mL, level 1 and 2	2/ea

CD-Chex Plus®

STRECK - CD-Chex Plus® is a positive procedure assayed control manufactured from normal human peripheral blood leukocytes and erythrocytes. It provides the most assayed CD markers in the industry, including T-lymphocytes, B-lymphocytes, granulocytes, monocytes and NK cells. Designed for use on BD Biosciences and Beckman Coulter flow cytometry systems.

CD-Chex Plus® determines the accuracy and reproducibility of all the steps involved in the process of the immunophenotyping procedure including:

- Verification of mAb reagents
- Validation of instrument performance
- Validation of operator technique
- Verification of red blood cell lysis

CD-Chex Plus® is available in 2.5 mL glass vials and 3 mL cap-pierceable plastic vials.

- Pierceable cap allows closed-vial testing
- Plastic vial increases employee safety

Stability: 90-day closed-vial stability, 30-day open-vial stability



Cat. No.	Mfr. No.	Description	Qty.
B3170-3	213325	1 x 2.5 mL normal	1/ea
B3170-6	213330	1 x 2.5 mL CD4 low	1/ea
B3170-4	213326	2 x 2.5 mL normal	2/ea
B3170-7	213331	2 x 2.5 mL CD4 low	2/ea
B3170-9	213340	2 x 2.5 mL CD4 low, normal	1/ea
B3170-10	213341	4 x 2.5 mL CD4 low, normal	2/ea
B3170-5	213327	5 x 2.5 mL normal	5/ea
B3170-8	213332	5 x 2.5 mL CD4 low	5/ea
B3170-130	213333	8 x 2.5 mL normal	8/ea
B3170-11	213344	10 x 2.5 mL CD4 low, normal	5/ea
Plastic			
B3170-165	213365	2 x 3 mL normal	2/ea
B3170-166	213366	2 x 3 mL CD4 low	2/ea
B3170-167	213367	5 x 3 mL normal	5/ea
B3170-168	213368	5 x 3 mL CD4 low	5/ea
B3170-170	213370	10 x 3 mL CD4 low, normal	5/ea

CD-Chex Plus® BC

STRECK - CD-Chex Plus® BC is a positive procedure assayed control for immunophenotyping on Beckman Coulter® flow cytometry systems.

CD-Chex Plus® BC determines the accuracy and reproducibility of all the steps involved in the process of immunophenotyping, including red blood cell lysis. It provides the most assayed CD markers in the industry, including T-lymphocytes, B-lymphocytes, granulocytes, monocytes and NK cells. CD-Chex Plus® BC CD4 Low offers a depressed CD4 absolute number often indicated in patients with immunodeficiency diseases. Available in 3 mL pierceable cap plastic vials

Stability: 90-day closed-vial stability, 30-day open-vial stability.



Cat. No.	Mfr. No.	Description	Qty.
B3170-171	213371	1 x 3 mL CD4 low	1/ea
B3170-177	213373	1 x 3 mL normal	1/ea
B3170-172	213372	2 x 3 mL CD4 low	2/ea
B3170-174	213374	2 x 3 mL normal	2/ea
B3160-220A	213375	4 x 3 mL CD4 low, normal	2/ea
B3170-176	213377	5 x 3 mL CD4 low	5/ea
B3170-175	213378	5 x 3 mL normal	5/ea
B3160-221	213376	10 x 3 mL CD4 low, normal	5/ea

CD-Chex Select®

STRECK - CD-Chex Select is the first and only commercially available flow cytometry control with a selected group of CD markers used for immunophenotyping. CD-Chex Select® is designed for use on BD Biosciences and Beckman Coulter® flow cytometry systems. CD-Chex Select® can be handled like a patient sample, which eliminates the need for laboratories to hold and validate patient samples to use as a control for the assayed markers.

- Available in 3 mL pierceable cap plastic vials
- For Research Use Only. Not for use in diagnostic procedures.

Stability: 90-day closed-vial stability, 30-day open-vial stability.



Cat. No.	Mfr. No.	Description	Qty.
ST213554	213554	2 x 3 mL (Sample 1, Sample 2)	1 vl/ea
ST213555	213555	4 x 3 mL (Sample 1, Sample 2)	2 vl/ea

Hematology

Analyzers and Supplies

QBC STAR Dry Hematology Analyzer

DRUCKER DIAGNOSTICS - The QBC STAR Dry Hematology Analyzer is a compact and easy to use complete blood count analyzer designed to bring CBCs to the point of care. With a 9-parameter complete blood count at the push of a button, the STAR makes on-site hematology easy and affordable.

The QBC STAR employs innovative dry hematology technology, meaning that all of the reagents needed to perform a CBC test with the QBC STAR System are contained in the QBC STAR Tube. After filling the tube with the blood sample, the clinician simply places it in the specially designed QBC STAR System and obtains the test results after the analysis is complete. This unique approach provides multiple benefits for in-office CBC testing:

Cat. No.	Mfr. No.	Description	Qty.
429001	429001	QBC STAR hematology analyzer	1/ea



HemoCue® Hb 201+ Analyzer and HemoCue® Hb 201 DM Analyzer

HEMOCUE - The HemoCue® Hb 201+ Analyzer whole blood system provides quick, simple, reliable, quantitative, lab-quality hemoglobin results. The dual wavelength photometer corrects for turbidity.

The HemoCue® Hb 201 DM Analyzer helps healthcare providers get authorized and appropriate use by certified personnel. With a wide range of settings and definable options, the system can be made to prompt the operator for identification, microcuvette lot, quality control and other required information during the testing procedure. This data is then transmitted to clinical information systems. **CLIA-waived.**



Cat. No.	Mfr. No.	Description	Qty.
121721	121721	HemoCue® Hb 201+ Analyzer	1/ea
121135	121135	HemoCue® Hb 201 DM Analyzer	1/ea

Supplies and accessories

111715	111715	HemoCue® Hb 201 microcuvettes - individually-wrapped	100/bx
111716	111716	HemoCue® Hb 201 microcuvettes - vials	50/vl, 4 vl/bx
139075	139075	HemoCue® 201 DM primary docking Station	1/ea
139076	139076	HemoCue® 201 DM secondary docking station	1/ea
131036	131036	HemoCue® 201 DM battery	1/ea
139107	139107	Plug to U.S. adapter - order with item 131066	1/ea
131066	131066	201 DM 6 volt AC adapter	1/ea
131051	131051	LAN/Ethernet cable (ethernet/network to primary docking station)	1/ea

HemoCue® WBC Analyzer

HEMOCUE - The HemoCue® WBC Analyzer is cleared for moderately complex testing and provides quantitative results of a patient's total white blood cell count in about 3 minutes from a capillary or venous sample.

The white blood cell count is determined by automatic cell counting. A hemolyzing agent lyses the red cells in the microcuvette and a staining agent colors the white cells. An image is taken of the stained white cells and the number of cells is counted by image analysis in the analyzer. The system is substantially equivalent to the Sysmex XS-system and the manual light microscopy method for white blood cell count.

- Lab accurate results in about 3 minutes
- Convenient microcuvette technology
- Easy-to-use, no lab training required
- Capillary or venous samples
- Factory calibrated—no further calibration needed

Analyzer ships with:

- WBC analyzer, manual, warranty, quick reference guide, sample HemoCue cleaner and training CD-ROM

Specifications:

Measuring range 0.3-30 x 10⁹/L (300-30,000/mm, 300-30,000/μL)
Sample volume 10 μL

Cat. No.	Mfr. No.	Description	Qty.
123001	123001	WBC analyzer	40/vl, 4vl/bx
113003A	113003	WBC microcuvettes	40/vl, 4vl/bx
WBC005	WBC005	WBC control solution - 3/pk (low, normal and high)	1/ea



Hematology

Analyzers and Supplies

ABX MICROS™ 60 Fully-Automated Hematology Analyzers

HORIBA MEDICAL - Easy-to-use and compact, ABX MICROS™ 60 hematology analyzers feature a completely automated analysis cycle, with single-button operation to start analysis cycle and for startup and standby modes. Accurate and reliable, they offer 16 parameters at up to 60 samples per hour. Sampling can be done on either open or closed tubes with a sample volume of only 10 µL of whole blood. The analyzers' automated smart cards allow for multiple patient sample storage and quality control. Easy-to-understand software menus are displayed on a two-line, 40-character LCD screen. Analyzer is supplied with laser printer.

Specifications:

Sample volume 10 µL whole blood

Analysis parameters..... WBC, RBC, HGB, HCT, PLT, MCV, MCH, MCHC, RDW, MPV, LYM%, LYM#, MON%, MON#, GRA%, GRA#, including WBC, RBC and PLT histograms on printout only

Throughput

Open tube 60 samples/hr.

Closed tube 55 samples/hr.

Interfacing..... RS232 output including graphics

Dimensions (H x W x D)..... 16.5 x 14 x 12.5 in. (41.9 x 35.6 x 31.8 cm)

Power requirements 90 to 240 V, 50 to 60 Hz



Cat. No.	Mfr. No.	Description	Qty.
B3166-1	5300600011	Micros 60 closed-tube analyzer	1/ea
B3166-91	5300600081	Micros 60 open-tube analyzer	1/ea

ABX PENTRA™ 60 C+ Fully-Automated Hematology Analyzer

HORIBA MEDICAL - The ABX PENTRA™ 60 C+ hematology analyzer provides 26-parameter blood cell count, including histograms of RBC, WBC/BASO and PLT and 5-part differential. Sampling is done on closed tubes, which helps reduce biohazard risks. Analyzer features 12 selectable QC files, user-defined flags and an external barcode reader for secure sample identification. Data is managed on an external, stand-alone, computer module that operates on the easy-to-use Windows XP® platform. Brother digital laser printer is included.

Specifications:

Sample volume

CBC..... 30 µL whole blood

5 DIFF..... 53 µL whole blood

Analysis parameters

12 parameters..... (CBC mode) WBC, RBC, HGB, HCT, PLT, MCV, MCH, MCHC, RDW, MPV, including WBC, RBC and PLT histograms

26 parameters..... (5-DIFF mode) WBC, RBC, HGB, HCT, PLT, MCV, MCH, MCHC, RDW, MPV, LYM%, LYM#, MON%, MON#, NEU%, NEU#, ESO%, ESO#, BAS%, BAS#, including WBC, RBC, PLT histograms and LMNE matrix

Throughput..... Up to 60 samples/hr.

Processor..... Celeron®, 2.53 GHz, 512 MB RAM

Interfacing..... RS232C

Dimensions (H x W x D)..... 22.3 x 17.5 x 19 in. (51.6 x 44.4 x 48.1 cm)

Power requirements 100 to 240 VAC, 50 to 60 Hz



Cat. No.	Mfr. No.	Description	Qty.
B3166-3	5300001398	Pentra 60 C+ hematology analyzer	1/ea

Hematology

Analyzers and Supplies

ABX PENTRA™ DX Nexus Hematology Analyzer

HORIBA MEDICAL - Provides complete blood count, 5 part differential, reticulocyte, and nucleated red blood cell (NRBC) enumeration. Provides automatic rerun of samples, validation of patient samples, and full data-management capabilities with user-defined rules. Managed by an external workstation capable of providing versatile patient data and quality-control management for up to three hematology systems.

Features:

- 120 tests per hour, 50 parameters
- Autoloader with continuous loading capability
- Rack compatibles with most pre and post analytical systems
- Automatic reflex testing
- Double DIFF Matrix
- DHSS* technology
(*HORIBA Medical Patent)



Cat. No.	Mfr. No.	Description	Qty.
PDXNEXUS07	5300000710	ABX PENTRA™ DX Nexus hematology analyzer	1/ea

ABX PENTRA™ XL80 Hematology Analyzer

HORIBA MEDICAL - The ABX PENTRA™ XL80 hematology analyzer performs 80 tests per hour and has a large capacity auto-loader (100 tubes). Also offers stat sampling on open or closed tubes, 26 parameters: CBC (12), DIFF (14), micro-sampling on whole blood: 30 µL in CBC mode and 53 µL in CBC+DIFF mode, customized dilution ratio (CDR), automatic sample re-run, and integrated validation station.

Specifications:

Sample volume

CBC..... 30 µL in whole blood
CBC+DIFF..... 53 µL in whole blood

Analysis parameters

12 parameters..... (CBC mode) WBC, RBC, HGB, HCT, PLT, MCV, MCH, MCHC, RDW, MPV, including WBC, RBC and PLT histograms
26 parameters..... (5-DIFF mode) WBC, RBC, HGB, HCT, PLT, MCV, MCH, MCHC, RDW, MPV, LYM%, LYM#, MON%, MON#, NEU%, NEU#, ESO%, ESO#, BAS%, BAS#, including WBC, RBC, PLT histograms and LMNE matrix

Throughput..... Up to 80 samples/hr.
Processor..... Celeron 566 MHz, 256 MB RAM
Interfacing..... RS232C, TCP/IP, 2 x USB1
Dimensions (H x W x D)..... 21.5 x 32.3 x 22.4 in.
Power requirements 100 to 240 VAC, 50 to 60 Hz



Cat. No.	Mfr. No.	Description	Qty.
B3166-265	5300800011	ABX PENTRA™ XL80 hematology analyzer	1/ea

Hematology

Analyzers and Supplies



EasyCell® Assistant

HORIBA MEDICAL - The EasyCell assistant improves productivity by automatically locating 100 or 200 white cells on a blood smear and pre-classifying them on a display, grouped by cell type. The analyzer also displays images of red cells and platelets for performance of red cell morphology and platelet estimate.

The EasyCell assistant lowers costs by dramatically reducing the technologist time required to perform manual differentials. EasyCell is an "assistant" because it suggests the correct classification of normal cells. It allows the technologist to quickly review the suggested classifications and then to devote time to the abnormal cells.

Cat. No.	Mfr. No.	Description	Qty.
5300000325	5300000325	EasyCell® Assistant	1/ea

Alphalyse 360 Straw Assy

HORIBA MEDICAL

Cat. No.	Mfr. No.	Description	Qty.
B3166-519	3014023330	Alphalyse 360 straw assy	1/ea

Reagent Syringe 1,000 µL

HORIBA MEDICAL

Cat. No.	Mfr. No.	Description	Qty.
B3166-207	1228078955	Reagent syringe 1,000 µL	1/ea

Sample Syringe 100 µL

HORIBA MEDICAL

Cat. No.	Mfr. No.	Description	Qty.
B3166-206	1228076812	Sample syringe 100 µL	1/ea

Tool Seal Replacement

HORIBA MEDICAL

Cat. No.	Mfr. No.	Description	Qty.
B3166-212	1228088454	Tool seal replacement	1/ea

Automated Stainers

Aerospray® Hematology Pro Series 2 Slide Stainer

ELITECHGROUP - The Aerospray® Hematology Pro automated slide stainer is a necessity to any hematology laboratory because it can be adjusted to wide range of staining requirements. The run time is short with slides ready for the microscope in five minutes giving better results. Only fresh alcohol based reagent is applied as an atomized spray on slides mounted in a rotating carousel. Specimens contact only fresh stain, precisely metered from separate spray nozzles. With the addition of the optional Cytopro® Cytocentrifuge Rotor, the Hematology Pro is also able to deposit cells onto microscope slides.

Specifications:

Slide carousel capacity 1 to 12 or 1 to 30 slides, depending on carousel
 Rotor Speed 100-2000 rpm (± 5%), user programmable
 Electrical Requirements 100 to 240 VAC (±10%), @ 50-60 Hz, 200 watts maximum
 Dimensions (W x H x D) 22 x 10 x 21 in.

Cat. No.	Mfr. No.	Description	Qty.
MODEL 7152	MODEL 7152	Aerospray® Hematology Pro Series 2	1/ea



Aerospray® Hematology Stat Series 2 Slide Stainer

ELITECHGROUP - The Aerospray Hematology Stat automated slide stainer is a necessity to any hematology laboratory. Staining is consistent with expected hematology results and is reproducible between stain cycles. Only fresh water-based reagent is applied as an atomized spray on slides mounted in a rotating carousel. Specimens contact only fresh stain, precisely metered from separate spray nozzles. The stainer has a quick stain cycle with slides ready for the microscope in four minutes. With the addition of the optional Cytopro® Cytocentrifuge Rotor, the Hematology Stat is also able to deposit cells onto microscope slides.

Specifications:

Slide carousel capacity 1 to 12 slides
 Rotor Speed 100-2000 rpm (± 5%), user programmable
 Electrical Requirements 100 to 240 VAC (±10%), @ 50-60 Hz, 200 watts maximum
 Dimensions (W x H x D) 22 x 10 x 21 in.



Cat. No.	Mfr. No.	Description	Qty.
MODEL 7122	MODEL 7122	Aerospray® Hematology Stat Series 2	1/ea

HemaPRO Automated Hematology Stain Instrument by QuickSlide™, a division of Hardy Diagnostics

HARDY DIAGNOSTICS - The HemaPro stainer represents a significant advancement in automated slide staining and is a valuable addition to any laboratory. It is ideal for use as a primary stainer used by small hospitals, physicians labs, stat labs, or as a stat/backup instrument in larger labs. The HemaPro can also be utilized in veterinarian labs for a variety of biological specimens.

The HemaPro uses a modified Wrights-Giemsa stain specially formulated for the brightest colors. The instrument features a soft agitation action after staining to ensure a clean slide. The unit needs no daily maintenance and only requires a tubing change once or twice annually.

The HemaPro is one of the smallest automated slide stainers available. It requires only one square foot of counter space, and the reagent pack fits conveniently on the back of the unit.

The HemaPRO has two programs. The first program stains blood smears in 60 seconds. The second program stains bone marrow smears in 30 seconds. Both programs can be customized to change the stain duration. It also uses fresh stain on every slide to reduce the risk of cross-contamination.

By standardizing and automating the staining process, the HemaPRO eliminates variation in staining technique and yields consistent results no matter who stains the slide.

Features:

- Operator prompt LCD display
- Soft touch color-coded keys
- Adjustable stain and buffer duration
- Adjustable fill level
- "Cycles Remaining" display – computer monitors reagent and prompts when to reorder
- Injection molded case with built-in reagent platform
- Extremely durable
- Color-coded reagent tubing for ease of identification
- Special formulated reagent kit – 125 tests per kit in one self-contained package

Specifications:

Temperature range ambient operation
 Dimensions (W x H x D) 12 x 11 x 11 in.
 Power requirements 100 to 240 V, 50/60 Hz
 Weight 9.3 lbs.

Cat. No.	Mfr. No.	Description	Qty.
QS-001	QS-001	QuickSlide™ HemaPRO Automated Hematology Slide Stainer	1/ea
Accessories			
QS-29000	QS-29000	HemaPRO reagent pack, Modified Wright Giemsa	3/cs
QS-002	QS-002	HemaPRO tubing kit	1/kt



Hematology

Automated Stainers/Controls and Calibrators



HEMA-TEK® 3000 System

SIEMENS HEALTHCARE DIAGNOSTICS - Hematek® 3000 System provides semi-automated slide staining for laboratories that need a robust system capable of staining up to 60 slides per hour. Continuous-feed loading platform eliminates wasted time associated with batch staining methods. Individual, consistent slide staining optimizes staining quality and enables user-adaptable intensity for standardized slide staining. Compact, RoHS-compliant system for assurance incorporating environmentally friendly, sustainable substances and supports "green" initiatives.

Cat. No.	Mfr. No.	Description	Qty.
10805311	10805311	HEMATEK 3000 system	1/ea

Calibrators and Controls, Supplies for HORIBA Medical Hematology Analyzers

HORIBA MEDICAL

Cat. No.	Mfr. No.	Description	Qty.
Calibrators			
B3166-20	5300000276	Minocal calibrator, 2 x 2.5 mL	1/ea
Controls			
B3166-105	5302052111	ABX MICROS™ memory smart card	1/ea
B3166-21	5300000277	ABX MICROS™ Minotrol™ tri-level control, 3 x 2.5 mL	3/bx
B3166-22	5300000278	ABX MICROS™ Minotrol™ tri-level control, 6 x 2.5 mL	6/bx
B3166-23	5300000283	ABX MICROS™ Minotrol™ tri-level control, 12 x 2.5 mL	12/bx
B3166-19	5302042017	ABX MICROS™ Minotrol™ control smart card - M60	1/ea

Difftrol Control Disk for PENTRA™

HORIBA MEDICAL

Cat. No.	Mfr. No.	Description	Qty.
5300000237	5300000237	Difftrol control disk	1/ea

Difftrol Tri-Level Controls

HORIBA MEDICAL

Cat. No.	Mfr. No.	Description	Qty.
B3166-84A	5300000490	3 x 3 mL	3/bx
B3166-410A	5300000496	6 x 3 mL	6/bx
B3166-356	5300000502	12 x 3 mL	12/bx
B3166-413A	5300000514	24 x 3 mL	24/bx

Linearity

HORIBA MEDICAL

Cat. No.	Mfr. No.	Description	Qty.
B3166-525	5300100134	For use with PXL80	1/ea
B3166-526	5300100137	For use with P60	1/ea
B3166-534	5300100135	For use with M60	1/ea

Minotrol CRP Controls

HORIBA MEDICAL

Cat. No.	Mfr. No.	Description	Qty.
B3166-443	5302042205	Low 2 x 2.5 mL	2/bx
B3166-444	5302042206	Normal 2 x 2.5 mL	2/bx
B3166-445	5305042207	High 2 x 2.5 mL	2/bx

Minotrol Retic Tri-Level Controls

HORIBA MEDICAL

Cat. No.	Mfr. No.	Description	Qty.
B3166-30	5300000285	Minotrol Retic 3 x 3 mL	3/bx
B3166-70	5300000488	Minotrol Retic 12 x 3 mL	12/bx

Minotrol Control Tri-Level Kits

HORIBA MEDICAL

Cat. No.	Mfr. No.	Description	Qty.
B3166-409A	5300100145	Micros 60 - 2.5 mL +2 smart cards	12/bx

Spinalscopics® Spinal Fluid Cell Count Controls

QUANTIMETRIX - Use Spinalscopics Spinal Fluid Cell Count Control to monitor the performance of red and white blood cell count methods in cerebrospinal fluid samples performed manually using a hemocytometer. Easy-to-use dropper dispenser.

- Liquid, human protein matrix with stabilized human cells
- 24-month refrigerated shelf life from date of manufacture*
- 6-month open vial stability when stored at 2°C to 8°C*
- 1-month open vial stability at room temperature*



Spinalscopics Analytes*

Red Blood Cells, White Blood Cells

*Refer to the package insert of currently available lots for specific analyte, stability claims and instrument compatibility.

Cat. No.	Mfr. No.	Description	Qty.
1461-31	1461-31	Spinalscopics Level 1, Low - 3 mL	3/bx
1462-31	1462-31	Spinalscopics Level 2, High - 3 mL	3/bx

Cal-Chex

STRECK - These hematology calibrators are assayed for Beckman Coulter®, Abbott, Mindray and Horiba Medical ABX instruments and are a cost-effective alternative to whole blood calibration procedures. They are assayed on analyzers calibrated with whole blood using standard reference methods for accurate and reliable calibration.

Stability: 45-day closed-vial stability, 5-day open-vial stability.

Cat. No.	Mfr. No.	Description	Qty.
B3160-117	221101	1 x 3 mL vial	1/ea
B3160-118	221103	3 x 3 mL vial	3/ea



Cal-Chex A Plus

STRECK - Cal-Chex A Plus hematology calibrator is assayed for the Abbott CELL-DYN®, 3200, 3500/3700 and Ruby® analyzers. The product is available in a 3 mL pierceable cap vial.

Stability: 45-day closed-vial stability, 5-day open-vial stability.

Cat. No.	Mfr. No.	Description	Qty.
B3160-26	221106	1 x 3 mL	1/ea
B3160-27	221107	2 x 3 mL	2/ea
221108	221108	3 x 3 mL	3/ea



CVA Calibration Verification Assessment Kits

STRECK - Assess calibration and verify patient-reportable range of 3- and 5-part hematology instruments with these assayed linearity control kits. You can also use the kits to measure the linear performance of the analyzer. Kits are available for Abbott CELL-DYN® systems and a variety of other manufacturer systems. They have customized ranges appropriate for each model and provide instrument-specific assay values for WBC, platelet, RBC and hemoglobin parameters. Submit your data to Streck for a free calibration and linearity report. All kits include WBC, platelet and RBC/Hgb vials except for kit B3171-55, which includes RBC/Hgb only.

Stability: 120-day closed-vial stability, 5-day open-vial stability.

Cat. No.	Mfr. No.	Description	Qty.
For use with:			
B3171-55	291504	HemoCue® analyzer	5/ea
B3171-59	291710	Mindray BC-3200; Horiba Medical ABX Pentra 120 and Pentra 80	15/ea
B3171-708	291708	Horiba Medical ABX Pentra 60C+	13/ea
B3160-213	291711	Horiba Medical ABX Micros 60	14/ea
B3160-214	291712	Siemens Healthcare Diagnostics ADVIA® 120/2120/2120i; Beckman Coulter® LH 500, LH 750 and LH780 systems	18/ea
B3160-212	291715	Abbott CELL-DYN® 1700 and 1800 systems	12/ea
B3160-210	291718	Abbott CELL-DYN® Emerald and CELL-DYN® 3200 (and higher) systems	16/ea
B3160-144	291709	All other instruments	12/ea



Need a product immediately?

Call your sales or customer service representative right away. Your representative will check availability and pricing, place your order and follow through on a speedy delivery. Or visit us at cardinalhealth.com.

Hematology

Controls and Calibrators

Cell-Chex®

STRECK - Cell-Chex® is a body fluid procedural control for red blood cell (RBC) and white blood cell (WBC) counts, crystal identification and white blood cell differentiation.

Cell-Chex® is a spinal and body fluid control with distinct white blood cell and red blood cell populations for manual counts. When stained in the same manner as a patient sample, the white blood cells can be differentiated. The multi-level control is assayed for manual cell counts, the five-part white blood cell differential, as well as the two-part polymorphonuclear and mononuclear differential.

Level 1-UC contains urate crystals and Level 1-CC contains CPPD crystals to aid in identification of crystals in synovial fluid.

Stability: 180-day closed-vial stability, 30-day open-vial stability.



Cat. No.	Mfr. No.	Description	Qty.
B212429	212429	2 x 2 mL L1-CC	2/ea
B212431	212431	3 x 2 mL L1-UC, L1-CC, L2	1/ea
B3160-61	212420	4 x 2 mL L1-UC, L2	4/ea
B3160-205	212424	6 x 2 mL L2	6/ea
B212432	212432	6 x 2 mL L1-UC	6/ea
B212430	212430	6 x 2 mL L1-CC	6/ea
B3160-206	212425	12 x 2 mL L1-UC, L2	12/ea

Cell-Chex® Auto Controls

STRECK - Use these whole blood controls for evaluating the accuracy and precision of hematology instruments that measure automated blood cell counts in patient body fluid samples. The assay provides total RBC and WBC values for the Abbott CELL-DYN® 3200, and Ruby®; Beckman Coulter® LH750/LH 755/780/785 (levels 2 and 3); UniCel® DxH 800 and Sysmex® XE-5000™, XE-2100™, XT-4000i™, XT-1800i™ and 2000i™ instruments. Cell-Chex® Auto is a three-level control packaged in a plastic 3 mL vial with a pierceable cap.

Stability: 75-day closed-vial stability, 30-day open-vial stability when stored at 2°C to 10°C.



Cat. No.	Mfr. No.	Description	Qty.
ST200067A	200067	Level 1	3/ea
ST200068A	200068	Level 2	3/ea
ST200069A	200069	Level 3	3/ea
ST200065	200065	Levels 2, 3	2/ea
ST200066A	200066	Levels 1, 2, 3	3/ea

LBC-Chex® Lamellar Body Count Control

STRECK - Lamellar bodies have been analyzed as an indirect estimate of fetal lung maturity and potential indicator of respiratory distress syndrome. LBC-Chex verifies instrument accuracy by testing the lower platelet limits that standard CBC controls and calibration material fail to assess. It provides laboratory scientists with confidence their instrument counts are accurate for patient samples. LBC-Chex was developed for use on automated hematology analyzers and can be used like a patient sample. No dilution is required.



For Research Use Only. Not for use in diagnostic procedures.

Cat. No.	Mfr. No.	Description	Qty.
200099	200099	3 x 3 mL Level 1	3 v/ea
200100	200100	3 x 3 mL Level 2	3 v/ea
200098	200098	3 x 3 mL Level 1, 2, 3	3 v/ea

Para 4®

STRECK - Para 4® is a four-parameter assayed hematology control that is ideal for small laboratories that perform a limited number of hematology tests and utilize manual or semi-manual methods. The assay includes Hgb, Hct and platelet values. Controls can be used with the HemoCue® B-Hemoglobin Photometer and Hb 201+ analyzer, the Separation Technology, Inc. HemataSTAT II® system and auxiliary methods. They are available in glass or plastic squeeze dropper vials. Controls B3170-26 and -38 come with four vials each of low, normal and high controls. Control B3170-40 comes with six vials each of low, normal and high controls.



Stability: 110-day closed-vial stability, 14-day open-vial and stability.

Cat. No.	Mfr. No.	Description	Qty.
Controls in plastic vial			
B3170-18	215103	3 x 1.5 mL low, normal, high	3/ea
B3170-21	215106	6 x 1.5 mL low	6/ea
B3170-22	215107	6 x 1.5 mL normal	6/ea
B3170-23	215108	6 x 1.5 mL high	6/ea
B3170-25	215110	6 x 1.5 mL low, normal, high	6/ea
B3170-29	215115	8 x 1.5 mL normal, high	8/ea
B3170-26	215112	12 x 1.5 mL low, normal, high	12/ea
Controls in glass vial			
B3170-32	215403	3 x 1.5 mL low, normal, high	3/ea
B3170-41	215426	6 x 1.5 mL low	6/ea
B3170-39	215416	6 x 1.5 mL normal	6/ea
B3170-43	215436	6 x 1.5 mL high	6/ea
B3170-34	215406	6 x 1.5 mL low, normal, high	6/ea
B3170-36	215408	8 x 1.5 mL low, normal	8/ea
B3170-37	215409	8 x 1.5 mL low, high	8/ea
B3170-38	215412	12 x 1.5 mL low, normal, high	12/ea
B3170-40	215418	18 x 1.5 mL low, normal, high	18/ea

Para 12® Extend

STRECK - Para 12® Extend is a hematology control with three distinct populations of lymphocytes, mononuclears and granulocytes. Varying percentages are also offered in the low abnormal, normal and high abnormal levels to test the accuracy and precision of the reported white cell populations. Values are recovered for all parameters ensuring requirements are met and exceeded for quality control of your hematology instrument. Para 12® Extend is available in a 2.5 mL vial or a 4.5 mL pierceable cap vial.

Para 12® Extend has low and high abnormal ranges to test the linearity of the instrument. Assays include:

- Beckman Coulter® AC-T™/AC-T diff™/AC-T diff2™
- Abbott CELL-DYN® 1400, 1600, 1700 and 1800
- Horiba Medical ABX Micros 60
- Diatron® Abacus and Abacus Jr.
- ERMA PCE-210
- Mindray BC-3200
- Nihon Kohden Celltac α MEK-6400
- Siemens ADVIA® 60

Stability: 190-day closed-vial stability, 30-day open-vial stability

Cat. No.	Mfr. No.	Description	Qty.
B3160-148	218755	3 x 2.5 mL low, normal, high	3/ea
B3160-260	218776	3 x 4.5 mL low, normal, high	3/ea
B3160-90	218750	18 x 2.5 mL (6 low, 6 normal, 6 high)	18/ea
B3160-107	218770	18 x 4.5 mL (6 low, 6 normal, 6 high)	18/ea



Para 12® Plus

STRECK - Para 12® Plus is a whole blood hematology control specifically formulated for the Abbott CELL-DYN® 5-part differential instruments: Abbott CELL-DYN® 3200, 3500/3700 and Ruby®. Para 12® Plus is packaged in a 3 mL pierceable cap vial compatible with closed-tube sampling systems.

Stability: 75-day closed-vial stability, 7-day open-vial stability.

Cat. No.	Mfr. No.	Description	Qty.
B3170-80	218913	12 x 3 mL (4 low, 4 normal, 4 high)	12/ea

Retic-Chex® II Controls

STRECK - Retic-Chex® II is a tri-level control manufactured with reticulocytes that resemble the appearance of patient samples for accurate identification.

Retic-Chex II is available in 1 mL plastic squeeze dropper vials for manual methods including Miller Ocular. It can also be used for automated methods including: Beckman Coulter® STKS™, MAXM™, HmX and LH 500 and Abbott CELL-DYN® 3500 and 3700.

Stability: 75-day closed-vial stability, 14-day open-vial stability

Cat. No.	Mfr. No.	Description	Qty.
B3170-108	285212	1 mL each level - level 1 and 2	2/ea
B3170-107	285211	1 mL each level - level 1 and 3	2/ea
B3170-100	285101	3 x 1 mL Retic-Chex® II - level 1, 2 and 3, plastic, 1 x 3 mL Retic-Chex® Stain	4/ea
B3170-102	285104	4 x 1 mL Retic-Chex® II - level 1, plastic	4/ea
B3170-106	285204	4 x 1 mL Retic-Chex® II - level 2, plastic	4/ea
B3170-110	285304	4 x 1 mL Retic-Chex® II - level 3, plastic	4/ea
B3170-103	285106	6 x 1 mL Retic-Chex® II - level 1, 2 and 3, plastic	6/ea



We help you
GET YOUR RESULTS

Hematology

Controls and Calibrators

Retic-Chex® Stain

STRECK - Retic-Chex® Stain is buffered and filtered New Methylene Blue that can be used with control and patient samples. Packaged in 3 mL or 15 mL plastic squeeze dropper vials and can be stored at room temperature.

Stability: One-year closed- and open-vial stability.

Cat. No.	Mfr. No.	Description	Qty.
B3170-112	285410	2 x 15 mL Retic-Chex® stain	2/ea
B3170-111	285404	4 x 3 mL Retic-Chex® stain	4/ea

Retic-Chex® Linearity

STRECK - Retic-Chex® Linearity is designed to verify the patient reportable range and linearity of the reticulocyte parameter. The vials have pierceable caps.

Available in five-vial sets with values assigned for:

- Abbott CELL-DYN® 3200, 3500, 3700, Ruby® and Sapphire®
- Siemens Healthcare Diagnostics ADVIA® 120/2120
- Beckman Coulter® MAXM™, HmX, GEN-S, LH 750/755, LH 780, LH 500, UniCel® DxH 800
- Sysmex XE-2100™, XT-2000i™, XT-4000i™, XE-5000™

Stability: 105-day closed-vial stability, 5-day open-vial stability

Cat. No.	Mfr. No.	Description	Qty.
285532	285532	Retic-Chex® Linearity 5 x 2.5 mL (Levels 1-5)	5/ea
B3170-124	285535	Retic-Chex® Linearity for BC 5 x 3 mL (Levels 1-5)	5/ea



STaK-Chex®

STRECK - STaK-Chex®, a whole blood assayed hematology control, is available in low, normal and high levels and offers complete assay values for the 5-part white cell differential available with Beckman Coulter® STKS™, MAXM™, HmX and LH 500. The 4 mL pierceable cap vial is compatible with closed-tube sampling systems. Assay value files are available for download for the Beckman Coulter LH 500 and HmX instruments. The assay sheets are barcoded for uploading assay values for STKS, MAXM and HmX. Vials are barcoded for correct QC access.

Stability: 105-day closed-vial stability, 14-day open-vial stability

Cat. No.	Mfr. No.	Description	Qty.
B3160-132	225512	12 x 4 mL (4 low, 4 normal, 4 high)	12/ea



STaK-Chex® Plus Retics

STRECK - STaK-Chex® Plus Retics is a 5-part differential control that monitors all parameters, including reticulocytes and nucleated red blood cells, for the Beckman Coulter® UniCel® DxH™ 800, LH 780/785, LH 750/755, LH 500 and HmX. The assay contains automated and manual reticulocyte values for all three levels. White blood cell types and reticulocyte percentages vary and are within clinically significant ranges. Assay value files are available for download for popular Beckman Coulter instruments. The vials are barcoded for correct QC file data input. STaK-Chex® Plus Retics is available in plastic cap-pierceable vials which allow for autosampling by an analyzer.

Stability: 105-day closed-vial stability, 14-day open-vial stability

Cat. No.	Mfr. No.	Description	Qty.
B3160-163	225480	4 x 4.5 mL (4 Low)	4/ea
B3160-164	225481	4 x 4.5 mL (4 Normal)	4/ea
225482	225482	4 x 4.5 mL (4 High)	4/ea
B3160-208	225485	12 x 4.5 mL (4 Low, 4 Normal, 4 High)	12/ea



If you don't see what you are looking for... contact us.

If you don't see the product you are looking for, just pick up the phone and ask your sales or customer service representative to assist you. Visit our website at cardinalhealth.com for more information.

Customer Service: 800.964.5227



Nageotte Counting Chamber

HAUSSER - Counting chamber B3177 allows one to manually count low leukocyte concentrations below the capabilities of a standard Hemacytometer. The Nageotte contains two gridded counting areas each containing 40 rectangular areas. Total volume of each grid is 50 mL for a total volume of 100 mL per Nageotte. The Nageotte can accurately measure down to 0.1 cell/mL (100 cell/mL). Cell Depth is 0.5 mm. The Nageotte Chamber comes with two reusable cover slips and ½ oz. (approx. 35 pcs.) of disposable cover slips. The replacement cover glass is available separately.



Cat. No.	Mfr. No.	Description	Qty.
B3177	4000	Nageotte counting chamber	1/ea
B3178	5411	Replacement cover glass (1 oz.)	1/pk

Hemacytometers with "V" Load System

CARDINAL HEALTH - The counting chambers of these hemacytometers have a metallized surface. Brightly illuminated lines for easy viewing. Two improved Neubauer rulings on each chamber are 0.1 mm below the cover glass. A "V" loading system facilitates loading and cleaning. Coverslip thickness (5mm) provides durability. Instructions enclosed.

Cat. No.	Description	Qty.
B3178-1	Chamber and two coverslips	1/ea
B3178-2	Chamber only	1/ea
B3178-3	Chamber, two coverslips, one red pipette, one white pipette, one pipette filler and a case	1/ea

Bright-Line® Hemacytometer

LW SCIENTIFIC - The Bright-Line® hemacytometer is specially designed for counting erythrocytes and leukocytes. Double rulings are visible through a wide range of illumination. Neubauer rulings are 0.1 mm below cover glass. The H-shaped moat offers two counting areas, and the V-grooves make loading easy. Fused rhodium on glass provides distinct lines. Light transmission is between 29% and 32%.



Cat. No.	Mfr. No.	Description	Qty.
B3179	CTL-HEMM-GLDR	Hemacytometer	1/ea

Phase Counting Chamber

CARDINAL HEALTH - This phase counting chamber is recommended for platelet count by the phase contrast method. The chamber has improved Neubauer rulings and a "V" at the loading end for easy loading. Two cover glasses are included. Instructions are enclosed.



Cat. No.	Description	Qty.
B3192-1	Phase counting chamber	1/ea

Cell-VU® Disposable Hemacytometer

MILLENNIUM SCIENCES - Ideal for manual erythrocyte, leukocyte, platelet, eosinophil and sperm cell counts, this hemacytometer consists of a 3 x 1 in. glass slide and coverslip that are both marked to help ensure correct use. The slide is dual chambered to allow for two determinations and has a printed inert surface that creates a 0.5 µL chamber volume. The chamber's depth of 20 µm is optimal for cell monolayer formation. The coverslip has a laser-etched 3 x 3 mm grid that is a modified pattern of the Neubauer ruling and divided into nine 1 x 1 mm counting areas; each area is subdivided to facilitate specific, accurate results for the cell type being counted. The center square of the grid is subdivided into 100 counting areas and is used for erythrocyte, platelet and sperm counts. Both components of the hemacytometer are disposable, which helps eliminate cleaning and minimizes exposure to body fluids.



Cat. No.	Mfr. No.	Description	Qty.
B8721-6	DRM 700	Cell-VU® disposable hemacytometer	50/bx

Hematology

Hemacytometers/Hematocrits and Centrifuges

INCYTO C-Chip™ Disposable Hemacytometers

SKC INC - These plastic hemacytometers offer repeatable and reliable measurements and analysis. The unique design helps eliminate the use of coverslips and allows for exact volume control and reduces the user's risk of exposure to infectious or hazardous samples. Also increases efficiency throughout laboratory procedures by eliminating the need for washing or autoclaving components. Available in four different grid types for a broad range of applications, including blood cell counting, cell concentration measurement, cell viability testing, bacteria and fungal spore counting and sperm counting.

The C-Chip™ hemacytometers are biocompatible and optically transparent. The light and sturdy construction is resistant to surface scratches and cracks. The hemacytometer consists of two surface-patterned, enclosed chambers with two ports for sample introduction. Results are readable under microscopic observation after 1 to 3 minutes have elapsed.



Cat. No.	Mfr. No.	Description	Qty.
Neubauer improved			
CDHCN012	DHC-N012	0.1 mm depth, 10 µL volume	20/pk
CDHCN015	DHC-N015	0.1 mm depth, 10 µL volume	50/pk
Füchs-Rosenthal			
CDHCF012	DHC-F012	0.2 mm depth, 20 µL volume	20/pk
CDHCF015	DHC-F015	0.2 mm depth, 20 µL volume	50/pk

Cat. No.	Mfr. No.	Description	Qty.
Bürker Türk			
CDHCB022	DHC-B022	0.1 mm depth, 10 µL volume	20/pk
CDHCB025	DHC-B025	0.1 mm depth, 10 µL volume	50/pk
Semen test			
CDHCS022	DHC-S022	0.02 mm depth, 3 µL volume	20/pk
CDHCS025	DHC-S025	0.02 mm depth, 3 µL volume	50/pk

StatSpin® MP Multipurpose Centrifuge

HEMOCUE - The StatSpin® MP is an ideal, general-purpose centrifuge for the stat, clinic or office laboratory. Sample preparation is fast with quality serum or plasma in 30 to 120 seconds.

Small sample requirements make the StatSpin® MP centrifuge ideal for finger stick procedures. This reduces labor and expense involved in venous blood collection. Rotors can easily be changed with a simple push-on or pull-off motion, transforming the centrifuge from hematocrit to urine sediment to plasma. The interlocking lid prevents access while in cycle and it is designed to meet international safety standards. Power adapter included. UL listed and CE marked.



Specifications:

Speed 9,800 to 20,000 rpm
RCF 3,900 to 12,000 x g

Cycle duration

Plasma 30 seconds
Urine 45 seconds
Lipemic clearing 95 seconds
Hematocrit 120 seconds
Coag PPP 120 seconds
Dimensions (H x W x D) 5.25 x 6.63 x 8.75 in.
Power requirements 24 V DC, 1.7 A

Cat. No.	Mfr. No.	Description	Qty.
B8900-19	SSMP	StatSpin® MP centrifuge	1/ea
B71954	B71954	StatSpin® MP with CSD2 digital reader	1/ea

Cat. No.	Mfr. No.	Description	Qty.
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Rotors and Accessories

RT12-KIT	RT12-KIT	2 x 1.5 mL fixed angle rotor, 1-o-ring, 2-adaptors, 1-shield	1/ea
B8900-28	RH12	Microhematocrit rotor with reader	1/ea
B8900-29	RH12-1	Microhematocrit rotor without reader	1/ea
B8900-86	PBCP	Pipette bulb	100/bg

Consumables - Microhematocrits

B8900-18A	CSD2	Digital hematocrit reader with power supply	1/ea
B8900-32	HR05	Hematocrit reader, card style	1/ea
HR4C	HR4C	Hematocrit reader, circular style	1/ea
B8900-36	TU15-10	Precalibrated urine tube, 1.5 mL flip-cap	500/cs
B8900-27	HS24-10	Sealant pads for capillary tubes	10/bx
B8900-21	HT9H-10	Glass capillary tube (40 mm, Ammonium Heparin)	1000/cs
B8900-22	HT9U-10	Glass capillary tube (40 mm, untreated)	1000/cs
B8900-23	HP8H-10	SafeCrit® capillary tube (40 mm, Sodium Heparin)	1000/cs
B8900-24	HP8U-10	SafeCrit capillary tube (40 mm, Untreated)	1000/cs
B8900-25	HP4H-10	SafeCrit® capillary tube (75 mm, Sodium Heparin)	1000/cs
B8900-26	HP4U-10	SafeCrit capillary tube (75 mm, untreated)	1000/cs

LipoClear® Reagent Tubes (for clearing lipemic samples)

B8900-45	LC10	LipoClear® pre-filled reagent tubes for clearing 0.5 mL of serum or plasma	10/bg
B8900-46	LC40	LipoClear® pre-filled reagent tubes for clearing 0.5 mL of serum or plasma	40/bg
B8900-47	LC15	LipoClear® pre-filled reagent tubes for clearing 1.5 mL of serum or plasma	40/bg
B8900-76	LCP1	LipoClear® Plus reagent for clearing serum or plasma, 30 mL bottle	1/ea

Hematocrits and Centrifuges

Hettich EBA 200/200 S Tabletop Centrifuge

HETTICH - The Hettich EBA 200/200 S is a high-performance centrifuge with built-in 8-place angle rotor. The EBA 200 can spin up to 8 blood tubes (13 and 16 mm) in a compact frame with all-metal containment. Ideal for blood, urine and pediatric tubes, the higher-performance EBA 200 S model obtains consistent platelet counts in minutes.

Specifications:

Maximum capacity.....8 x 15 mL
Maximum speed.....8,000 rpm
Maximum RCF.....6,153 x g
Dimensions (H x W x D).....9 x 10.3 x 13.9 in.
Power requirements.....115 V 50-60 Hz
Warranty.....5 years



Cat. No.	Mfr. No.	Description	Qty.
200BLOOD8	200BLOOD8	EBA 200, angle, (8) 13's, 16's	1/kt
200SBLOOD8	200SBLOOD8	EBA 200 S, angle, (8) 13's, 16's	1/kt
200BLD8PED	200BLOOD8-PED	EBA 200, angle, (8) 0.5 mL Pediatric	1/kt
200SBD8PED	200SBLOOD8-PED	EBA 200S, angle, (8) 0.5 mL Pediatric	1/kt
200URISIS4	200URINALYSIS4	EBA 200, angle, (12) 13's, 16's	1/kt

Hettich HAEMATOKRIT 200 Benchtop Centrifuge

HETTICH - Spin 24 capillaries for hematology or 20 capillaries for buffy coat analysis in a compact frame with all-metal containment. Rotor lid doubles as an evaluation disc allowing you to determine hematocrit values without having to remove the capillaries and risk disturbing the sedimentation. Achieve max. packing density of cells within seven minutes. Ideal for hematology, sports medicine, and neonatology. Complete application packages available.

Specifications:

Maximum capacity.....24 capillaries
Maximum speed.....13,000 rpm
Maximum RCF.....16,060 x g
Dimensions (H x W x D).....9 x 10.3 x 13.9 in.
Warranty.....5 years



Cat. No.	Mfr. No.	Description	Qty.
200HEMA20	200HEMA20	HEMATOCRIT 200, (20) capillaries, disc, buffy	1/kt
200HEMA24	200HEMA24	HEMATOCRIT 200, (24) capillaries	1/kt

Hettich EBA 280/280 S Tabletop Centrifuge

HETTICH - The Hettich EBA 280/280 S is a high-performance STAT centrifuge with 90° horizontal rotor for flat separation in all standard blood, urine and pediatric tubes. Achieve consistent platelet counts in minutes with the EBA 280 S model.

Specifications:

Maximum capacity.....6 x 50 mL
Maximum speed.....6,000 rpm
Maximum RCF.....5,071 x g
Dimensions (H x W x D).....9.5 x 12.8 x 15.75 in.
Power requirements.....115 V 50-60 Hz
Warranty.....5 years



Cat. No.	Mfr. No.	Description	Qty.
280BLOOD6	280BLOOD6	EBA 280, horiz., (6) 13's, 16's	1/kt
280SBLOOD6	280SBLOOD6	EBA 280 S, horiz., (6) 13's, 16's	1/kt
280BLOOD8	280BLOOD8	EBA 280, horiz., (8) 13's, 16's	1/kt
280BLOOD12	280BLOOD12	EBA 280, angle, (12) 13's, 16's	1/kt
280SEROLOGY	280SEROLOGY	EBA 280, angle, (12) 12/13 x 75 mm	1/kt
280SERLG-D	280SEROLOGY-D	EBA 280, angle, (12) 5-7 mL, decanting	1/kt
280BLD6PED	280BLOOD6-PED	EBA 280, horiz., (6) 0.5 mL	1/kt
280SBL-PED	280SBLOOD6-PED	EBA 280S, horiz., (6) 0.5 mL	1/kt
280URLSIS6	280URINALYSIS6	EBA 280, horiz., (6) 12 mL (KOVA)	1/kt

Hematology

Hematocrits and Centrifuges



24-Place Microhematocrit Centrifuge

LW SCIENTIFIC - The M24 unit is designed for flexibility and ease of use in the laboratory. Spin hematocrits in less than 5 minutes at 12,000 rpm. This device has suction cups on its feet to hold it securely in place and features a handy microhematocrit reader provided with every unit. Read results directly on the rotor with the included reader disc.

Specifications:

Maximum capacity.....24 x 75 mm
Fixed speed.....12,000 rpm
Nominal RCF.....14,800 x g
Dimensions (H x W x L)10 x 12 x 13 in.
Power requirements110 VAC

Cat. No.	Mfr. No.	Description	Qty.
C5700-12	HEC-24HF-7501	24-place centrifuge	1/ea

HemataCHEK® Hematocrit Reference Controls

SEPARATION TECHNOLOGY - HemataCHEK® controls provide quality assurance for centrifuge operating parameters including rpm, spin time, tube readers, user technique and supplies. The controls are available in low, normal and high levels and are packaged in different combinations to help you meet your application requirements. They offer you great stability—they don't need to be refrigerated and remain stable up to 31 days after being opened. Controls have a 2-year shelf life from date of manufacture. For HemataSTAT® microhematocrit centrifuge and others. Available in boxes of 6 vials.



Cat. No.	Mfr. No.	Description	Qty.
C1801-4	300-102	2 x 2.5 mL low level, 2 x 2.5 mL normal level and 2 x 2.5 mL high level	6/ea
C1801-5	300-103	3 x 2.5 mL low level and 3 x 2.5 mL normal level	6/ea
C1801-6	300-104	3 x 2.5 mL normal level and 3 x 2.5 mL high level	6/ea
C1801-7	300-105	6 x 2.5 mL low level	6/ea
C1801-2	300-101	6 x 2.5 mL normal level	6/ea
C1801-8	300-107	6 x 2.5 mL high level	6/ea



HemataSTAT II® Microhematocrit Centrifuge

SEPARATION TECHNOLOGY - This whisper-quiet device will spin up to six capillary tubes in only 60 seconds. It has an easy-to-use, built-in tube reader that provides an electronic display of test results. For operator safety, the unit has a locking lid and a gasket seal for aerosol protection. Also, disposable transparent tube holders are used for the capillary tubes while spinning to minimize contact with specimens. Standard 75 mm capillary tubes with either a 1.1 mm or 0.5 mm I.D. can be spun and read on the device. Capillary tubes C1801-15 require HemataSEAL® tube sealant. Operates on AC current or with an optional rechargeable battery (available separately) to enhance its usefulness in remote locations. Designed to fit almost any lab location. Dimensions (W x L x H): 7 x 11 x 5 in.

Cat. No.	Mfr. No.	Description	Qty.
C1801-1	100-100	HemataSTAT II® centrifuge	1/ea
C1801-12	230-100	Tube holders	50/pk
270-106	270-106BX	ClearCRIT® 100% plastic capillary tubes, 1.1 mm I.D.	1,000/bx
270-107	270-107BX	ClearCRIT® 100% plastic capillary tubes, 0.5 mm I.D.	1,000/bx
C1801-15	270-108BX	ClearCRIT® Mylar®-wrapped capillary tubes, 1.1 mm I.D.	1,000/bx
C1806-22	260-100	HemataSEAL® tube sealant	10/bx
C1806-23	270-109BX	ClearCRIT® Mylar®-wrapped self-sealing capillary tubes, 1.1 mm I.D.	2,000/bx

Hematocrits and Centrifuges/Platelet Function

Thermo Scientific™ CW3 Cell Washer

THERMO FISHER SCIENTIFIC - The Thermo Scientific™ CW3 cell washing system is designed for precise, automated performance, providing thorough, reproducible blood cell washing, up to 24 tubes per run. Save time with pre-set programs in automatic mode and flexibility of 12- or 24-place rotors meets your protocol requirements. Easy-to-read digital display enables simple, user friendly operation.



Efficient Performance

- Finish washing 24 samples in as little as 3 minutes
- Achieve optimal corpuscle dryness by setting desired decanting speed

User-Friendly Design

- Save time with pre-set programs in automatic mode
- Four stage display: Wash, Centrifuge, Decant, Agitate
- Manual mode available to wash the cells step-by-step, allowing closed monitoring of washing process
- Tube racks with red and blue number labeling for easy sample balancing

Safe Operation

- Automatic alerts for low or disrupted saline level and for a completed run
- View port on top of unit is available for speed calibration
- Reduces risk of cross-contamination with the saline distributor mounted directly on top of the rotor
- Stainless steel rotor body enhances system durability
- Low-maintenance design with easy-to-change pump tubing
- Cleaning convenience with easy-to-remove catch basin, rotor and rotating bowl

Cat. No.	Mfr. No.	Description	Qty.
75007404	75007404	Thermo Scientific™ CW3, 120 V (NO ROTOR INCLUDED)	1/ea
K75007400	75007400	CW3 Cell Washer, 120 V, 60 Hz, with 12-place rotor and distributor assembly	1/ea
K75007402	75007402	CW3 Cell Washer, 120 V, 60 Hz, with 24-place rotor and distributor assembly	1/ea

Thermo Scientific™ CW3 Cell Washer Replacement Rotor

THERMO FISHER SCIENTIFIC - Replacement rotor and distributor assembly.

Cat. No.	Mfr. No.	Description	Qty.
75000021	75000021	12-place rotor assembly with distributor	1/ea
75000020	75000020	24-place rotor assembly with distributor	1/ea

UNICO® C-MH30 Microhematocrit Centrifuge

UNICO - The CMH30 Microhematocrit centrifuge is an easy to use reliable instrument. A built in safety switch disconnects the power to the motor whenever the lid latch is lifted. The rotor and cover are made of aluminum for durability and lighter weight. The spin chamber is protected by aluminum shells integrated in to the lid and body under the rotor. The brushed motor is mounted on rubber mounts to provide quiet running and less vibration. The 24-place rotor with safety gasket is designed for 75 mm capillary tubes. Dependable 5-minute timer will signal the end of a spin cycle. Nominal speed is 12,000 rpm.



Specifications:

Maximum capacity..... 24 capillary tubes up to 75 mm long
Maximum speed 12,000 rpm
Maximum RCF 14,000 x g

Cat. No.	Mfr. No.	Description	Qty.
C-MH30	C-MH30	Microhematocrit centrifuge	1/ea

PIFA® Heparin/PF4 Rapid Assay

AKERS BIOSCIENCES, INC. - The PIFA® Heparin/PF4 Rapid Assay was developed to determine a patient's HIT (Heparin-Induced Thrombocytopenia) antibody status in minutes. Some HIT testing methodologies can take hours to complete in-house or even days to obtain a result if outsourced. This rapid assay is a single-use, single patient test that can easily be performed in approximately 10 minutes and is CLIA-classified moderate complexity.



Cat. No.	Mfr. No.	Description	Qty.
4036025A	4036025	Single-use, single patient test	6/bx, 48 bx/cs
3330047A	3330047	Training kit	3/bx

PIFA PLUS™ PF4 Assay Kits

AKERS BIOSCIENCES, INC. - Qualitative *in vitro* diagnostic device designed for detection of antibodies to Platelet Factor 4 sensitized microspheres. Takes 10 minutes from specimen collection tube to test results.



Cat. No.	Mfr. No.	Description	Qty.
4001101	4001101	Single-use, single patient test	6/bx, 48 bx/cs
3330052	3330052	Training kit	3/bx

Hematology

Preservatives/Reagents/Sedimentation Rate Testing

Streck Cell Preservative™

STRECK - Streck Cell Preservative™ is an easy-to-use liquid preservative that maintains cellular antigen expression, including cluster of differentiation (CD) markers of biological samples for analysis by flow cytometry. Samples treated with Streck Cell Preservative™ are stable for up to 7 days, eliminating the adverse effects that time, storage and transport conditions can have on sample integrity.

Streck Cell Preservative™ is used as a liquid preservative for bone marrow aspirates, surgical tissue samples, fine needle aspirates and peripheral and cord blood.



Cat. No.	Mfr. No.	Description	Qty.
B4601-4	213355	Cell preservative - 50 x 1 mL	50/ea

Reagents for HORIBA Medical Hematology Analyzers

HORIBA MEDICAL

Cat. No.	Mfr. No.	Description	Qty.
B3166-32	1210403010	ABX MICROS™ miniclean, 1 L	1/ea
B3166-55	1210903010	ABX PENTRA™ 1 L cleaner reagent	1/ea
B3166-53	1210901020	ABX PENTRA™ diluent, 20 L	1/ea
B3166-28	1210206010	ABX PENTRA™ Eosinofix™ 1 L	1/ea
B3166-338	1210906014	Alphalyse, 360 mL	1/ea
B3166-59	1210906003	Basolyse™ II reagent, 1 L	1/ea
B3166-346	1210904011	Fluocyte, 500 mL	1/ea
B3166-347	1210206013	Leucodiff, 1 L	1/ea
B3166-348	1210906013	Lysebio, 400 mL	1/ea
B3166-345	1210906012	Lysebio, 1 L	1/ea
B3166-52	1210802010	Minidil LMG reagent, 10 L	1/ea
B3166-51	1210701010	Minilyse LMG reagent, 1 L	1/ea
B3166-50	1210602050	Minipak LMG reagent	1/ea
B3166-31	1210401005	Minoclar 500 mL	1/ea

Dispette® Pipette and Reservoir

CARDINAL HEALTH - This plastic Westergren ESR tube with filling reservoir has a minimum internal bore of 2.55 mm and is 238 mm long. The uncapped blue filling reservoir does not contain saline diluent. Operators are required to add their own diluent (or anticoagulant) manually. The self-zeroing pipette features a triple-plugged overflow protection chamber to eliminate overfilling. Disposable ESR testing made in Switzerland.

1 pack contains 100 pipettes and reservoirs, sufficient for 100 ESR determinations.

Dispette® is a registered trademark of Guest Scientific AG.

Cat. No.	Description	Qty.
B4515-10	Dispette pipette	100/pk, 1,000/cs



Dispette® 2 ESR Test Kit

CARDINAL HEALTH - This plastic modified Westergren ESR test kit features capped filling reservoirs, prefilled with 0.25 mL of 0.9% saline diluent, eliminating the need to pipette a diluent manually. For added safety, the closed (pierceable) cap remains in place while inserting tube. The self-zeroing pipette features a triple-plugged overflow protection chamber to eliminate overfilling. After the ESR results have been recorded, the whole pipette and reservoir assembly is discarded without separation, saving time and providing an extra measure of safety.

Tube has a minimum internal bore of 2.55 mm and is 238 mm long. Results are available in 1 hour. Disposable ESR testing made in Switzerland.

1 pack contains 100 pipettes and prefilled reservoirs, sufficient for 100 ESR determinations.

Dispette® is a registered trademark of Guest Scientific AG.

Cat. No.	Description	Qty.
B4515-9	Dispette II ESR test kit	100/pk, 1,000/cs

ALCOR iSED® Automated ESR Analyzers

ALCOR SCIENTIFIC INC - The iSED® transforms ESR testing by delivering accurate results in 20 seconds through using a blood sample of just 100 µL drawn directly from the primary EDTA tube(s), which is especially ideal when working with pediatric and geriatric patients. Capable of analyzing 180 samples per hour, it greatly speeds processes, improves efficiency and safety, and reduces pre-analytical errors for lab clinicians.



Specifications:

Analysis Time20 seconds
Throughput180 tests per hour
Electrical Requirements100 to 240 VAC 50 to 60 Hz, 160 W
Dimensions (D x W x H)13.4 x 10.5 x 14.3 in.

Cat. No.	Mfr. No.	Description	Qty.
112-00101	112-00101	iSED automated ESR analyzer	1/ea
112-00500	112-00500	500 iTests	1/ea
112-01000	112-01000	1,000 iTests	1/ea
112-02000	112-02000	2,000 iTests	1/ea
112-05000	112-05000	5,000 iTests	1/ea
112-12-001	112-12-001	iWash™ - 4 x 500 mL	4 bt/pk

Sedimentation Rate Testing



Seditrol® ESR Quality Controls for iSED

ALCOR SCIENTIFIC INC - Seditrol™ is a bi-level, human whole blood-based control designed to monitor both manual and automated methods for measuring Erythrocyte Sedimentation Rate (ESR). Seditrol™ monitors factors that can cause variability.

- 18-month shelf life
- 31-day open vial stability
- No refrigeration required

Cat. No.	Mfr. No.	Description	Qty.
DSC04	DSC04	Control ESR 4 x 9 mL Level 1 and Level 2 whole blood-based control for ESR	4/bx
DSC06	DSC06	Control ESR 4 x 4.5 mL Level 1 and Level 2 whole blood-based control for ESR	6/bx

Liquichek™ Sedimentation Rate Control

BIO-RAD - Use these human-whole-blood-based controls to monitor both manual and automated methods for measuring erythrocyte sedimentation rates. Controls are assayed for Westergren, Wintrobe and a variety of automated methods. Have a 31-day open-vial stability at 18°C to 30°C and a 540-day shelf life at 18°C to 30°C. Supplied in a 9 mL vial.



Cat. No.	Mfr. No.	Description	Qty.
BR514	514	Level 1, 4 x 9 mL	4/pk
BR515	515	Level 2, 4 x 9 mL	4/pk
BR514X	514X	Bilevel minipak, 2 x 9 mL	2/pk

Accu-Sed® Plus ESR Controls for Excyte® ESR Systems

ELITECHGROUP INC - These bi-level controls are for use in monitoring the performance of erythrocyte sedimentation rate procedures (ESR). Provides extended shelf life and consistent results over time. 18-month dating. 31-day open vial stability at room temperature. Helps eliminate the need for refrigerated storage or warming time after opening.



Cat. No.	Mfr. No.	Description	Qty.
B4010-32P	DS-71002	Normal control set, 5 x 8.5 mL	1/kt
B4010-31P	DS-71003	Abnormal control set, 5 x 8.5 mL	1/kt
B4010-30P	DS-71005A	5 x 8.5 mL - normal, 5 x 8.5 mL - abnormal	1/kt

Excyte® Automated ESR Analyzers

ELITECHGROUP INC - The Excyte family of automated ESR analyzers features fast results and high capacity to support safety and drive cost efficiency. The analyzers perform a sed rate in 30 minutes or less depending upon the analyzer.

Features include:

- Closed tube sampling and testing - increases the safety of your laboratory personnel by reducing exposure to blood while providing superior reading results
- Random access - provides your laboratory convenience and flexibility, allowing you to run tests at anytime and in any order
- Excellent correlation - delivers excellent correlation with the manual Westergren method, giving your laboratory confidence in reporting your results
- Automatic temperature correction - delivers better reproducibility of results by normalizing the values to 18°C
- RS232 interface - provides the ability to interface to your Laboratory Information System
- Small footprint - compact, space-saving design is great for tight workspace



Cat. No.	Mfr. No.	Description	Qty.
EX-10310	EX-10310	Excyte mini ESR analyzer (glass tubes)	1/ea
EP-10610	EP-10610	Excyte mini ESR analyzer (plastic tubes)	1/ea
EX-10314	EX-10314	Excyte M ESR analyzer (glass tubes)	1/ea
EP-10614	EP-10614	Excyte M ESR analyzer (plastic tubes)	1/ea
EX-10316	EX-10316	Excyte 40 ESR analyzer (glass tubes)	1/ea
EP-10616	EP-10616	Excyte 40 ESR analyzer (plastic tubes)	1/ea

Cat. No.	Mfr. No.	Description	Qty.
EX-10318	EX-10318	Excyte 20 ESR analyzer (glass tubes)	1/ea
EP-10618	EP-10618	Excyte 20 ESR analyzer (plastic tubes)	1/ea
EX-50100	EX-50100	Excyte ESR non-vacuum tubes	50/bx
EX-50205	EX-50205	Excyte ESR vacuum tubes	50/bx
EP-10605B	EP-10605	Excyte plastic ESR vacuum tubes	50/bx
EP-10605H1	EP-10605-H1	Excyte plastic ESR vacuum tubes - high altitude	50/bx

Hematology

Sedimentation Rate Testing



ESR STAT™ PLUS Sed Rate Analyzer

HEMATOLOGIES - The ESR STAT™ PLUS is an automated sed rate instrument that provides 3 ESR results in 5 minutes. It features a 25 microliter sample volume and it has an excellent correlation to the standard Westergren method. The instrument is well represented on proficiency test surveys, with 375 labs participating in the CAP survey and over 150 labs in API.

The ESR STAT™ PLUS is a DIRECT READ analyzer. Using the EZ-SAFE™ mylar wrapped self-seal analysis tubes from HemaTechnologies, a 25 microliter sample of whole blood is taken from an EDTA blood collection tube. Results along with patient ID are presented on-screen without the need for measuring or calculating results. Bar code reader and printer are available to help minimize sample errors.

Specifications:

Sampling capacity 3 samples per 5 minute cycle
Sample volume 25 microliters
Dimensions (H x W x D) 9 x 10 x 14 in.

Cat. No.	Mfr. No.	Description	Qty.
ESRSTAT	ESR STAT PLUS	ESR STAT™ PLUS Sed rate analyzer	1/ea

Sedimat™ 15 plus Sedrate System

POLYMEDCO - Fast, in-office results for one to eight specimens simultaneously. Automated sedrate system provides accurate ESR results in only 15 minutes

- Random access capability
- Faster throughput; processes 32 patient results per hour
- Eight-position reader
- Small footprint suitable for tight benchtops
- Bar code reader available
- LIS compatible for data transfer



Cat. No.	Mfr. No.	Description	Qty.
SJ1215PLUS	SJ-1215 PLUS	Sedimat™ 15 Plus Sedrate System	1/ea

SED-CHEK® 2 ESR Controls

POLYMEDCO - Bi-level whole blood controls were designed to monitor ESR procedures. The controls monitor technique as well as the environmental and physical factors that adversely affect ESR results. They employ a cell stabilizing process that mimics the rouleaux formation of patient samples. The controls can be run just like patient samples. There is no need to void diluent from prefilled tubes.



SED-CHEK® 2 universal controls are assayed for use with automated and/or manual ESR methods. They are stable for 18 months from date of manufacture. 31-day open-vial stability and room temperature storage provide optimum convenience and streamline work flow. A QC program is available at no charge. Six 8mL vials of control per box.

Cat. No.	Mfr. No.	Description	Qty.
For Manual and Ves-Matic™, Mini-Ves™, StaRRsed®, Excyte™ and ESR-Auto® Automated			
B4520-15	ESR-2CT	Bi-level	6/bx
B4520-16	ESR-2CTA	Abnormal	6/bx
B4520-17	ESR-2CTN	Normal	6/bx
For SEDIMAT® 15 Automated System			
B4520-18A	ESR-5CT	Bi-level	6/bx
B4520-19	ESR-5CTN	Normal	6/bx
B4520-24	ESR-5CTA	Abnormal	6/bx



Westergren tube for Sediplast™ Autozero ESR System

POLYMEDCO - Pierceable stopper manufactured from a special formulation of linear low-density polyethylene to ensure a leakproof seal during the procedure. When the pipet is inserted into the vial, the diaphragm is designed to break away and the unit becomes a completely sealed system. Eliminates all manipulation "techniques" in setting sample at the zero mark. All excess blood flows into a closed, separate reservoir compartment automatically. Includes a stoppered, pre-filled vial containing 0.2 mL of 3.8% sodium citrate diluent. Simply add 0.8 mL of blood and mix. Eliminates separate diluent preparation, dilution, and handling steps required in other systems.

Cat. No.	Mfr. No.	Description	Qty.
B4520-30	S-1000	Westergren tube - 0.2 mL diluent	1/ea

Sedimentation Rate Testing

Diesse MINI-CUBE Automated Sed Rate Analyzer

STRECK - MINI-CUBE is an automated instrument for erythrocyte sedimentation rate testing in EDTA tubes. Produces ESR results directly from EDTA tubes without consuming patient sample. Compatible with 13 x 75 mm (2–4 mL) or pediatric (500 µL) K2EDTA tubes. The system stores up to 5,000 patient results and 5,000 QC results per level, eliminating the need to record daily runs. Statistical reports are generated with the following features: Levey-Jennings charts, standard deviation, CV%, mean, highest and lowest result.



- >95% Correlation to Modified Westergren method
- No exposure to patient sample
- Results in 20 minutes
- Easily interfaces to LIS

Cat. No.	Mfr. No.	Description	Qty.
240401	240401	Diesse MINI-CUBE analyzer	1/ea
240402	240402	Diesse ESR printer	1/ea
240405	240405	Diesse ESR scanner	1/ea
240414	240414	Diesse MINI-CUBE paper (5 rolls)	5 rl/ea
240403	240403	Diesse MINI-CUBE transponder, (500 tests)	500/ea
240404	240404	Diesse MINI-CUBE transponder, (1,000 tests)	1,000/ea

ESR-Auto Plus® Sed-Rate Analyzer

STRECK - The ESR-Auto Plus® accurately and precisely measures the erythrocyte sedimentation rate (ESR) of whole blood using 1.2 mL Streck ESR-Vacuum Tubes. ESR-Vacuum Tubes preserve the integrity of the patient sample for up to 72 hours when transported or stored at 2°C to 10°C.



Features of the ESR-Auto Plus® include:

- >98% correlation to Modified Westergren method
- Random access
- Results in 30 minutes
- Built-in Printer
- 1.2 mL sample volume
- 15-minute prediction mode
- Barcode scanner

ESR-Vacuum Tubes are used to collect, transport, and analyze the erythrocyte sedimentation rate (ESR) of whole blood. ESR-Vacuum Tubes are specifically designed for use with the Streck ESR-Auto Plus® automated sedimentation rate analyzer and the Streck ESR-10 Manual Rack. ESR-Vacuum Tubes contain tri-sodium citrate to avoid coagulation. After the tube is mixed, it is placed in the ESR-Auto Plus® instrument or ESR-10 Manual Rack. Both systems produce an ESR result in 30 minutes.

Safety Coated Tubes are significantly more impact resistant than glass collection tubes. Safety Coated ESR-Vacuum Tubes are designed with an outer Mylar® coating that contains glass and blood specimens in the event of breakage, which reduces the risk of injury and potential exposure to bloodborne pathogens.

Cat. No.	Mfr. No.	Description	Qty.
B3600-31	240357	ESR-Auto Plus® analyzer	1/ea
B3600-28	240360	ESR-Vacuum Tubes - 1.2 mL	100/bx
B3600-37	240377	Safety Coated ESR-Vacuum Tubes - 1.2 mL	100/bx

Keeping pace
with today's lab.



ESR-Chex Hematology Controls

STRECK - Use this 2-level hematology control to monitor erythrocyte sedimentation rates. Manufactured from human red blood cells, it verifies the precision and accuracy of both manual and automated methods. It is assayed for the most frequently used sedimentation rate tubes in conjunction with the following manual methods: Classical Westergren, Modified Westergren and Wintrobe. Automated and modified procedures do not require removal of sodium citrate. Use in the same manner as a patient sample.



Stability: 12-month closed-vial stability when stored at 2°C to 10°C, 95-day open-vial stability at room temperature.

Cat. No.	Mfr. No.	Description	Qty.
B3600-3	214102	2 x 9 mL, levels 1 and 2	2/ea
B3600-4	214104	4 x 9 mL, levels 1 and 2	4/ea
B3600-2	214024	4 x 9 mL, level 2 only	4/ea
B3600-1	214014	4 x 9 mL, level 1 only	4/ea
B3600-6	214108	8 x 9 mL, levels 1 and 2	8/ea
B3600-7	214112	12 x 9 mL, levels 1 and 2	12/ea

Hematology

Sickle Cell/Staining

Sickle-Chex® Whole Blood Controls

STRECK - Use these positive and negative whole blood controls to test for the presence of sickling hemoglobin in solubility tests and hemoglobin electrophoresis. Sickle-Chex® controls are compatible with Streck Sickle-Chex® solubility kits and many other manufacturers' solubility kits, including SICKLEDEX® solubility test, Pacific Hemostasis® SickleScreen® test kit and Dade® Sickle-Sol™ kit. The controls come in 2.5 mL plastic squeeze vials and do not require reconstitution. No pipetting is required.

Stability: 6-month closed-vial stability, 100-day open-vial stability.

Cat. No.	Mfr. No.	Description	Qty.
B4585-3	217653	2 x 2.5 mL positive/negative	2/ea
B4585-4	217654	4 x 2.5 mL positive/negative	4/ea



SICKLEDEX® Solubility Kits

STRECK - These solubility kits detect the presence of sickling hemoglobin in human blood samples or sickle cell control material. Each kit contains two bottles of phosphate buffer with saponin, two buffer dispensing caps and two vials of sodium hydrosulfite reagent powder. Reconstituted solution has a 45-day open-vial stability when stored at 2°C to 10°C. Unopened kit components have a 1-year shelf life when stored at 2°C to 10°C.

Cat. No.	Mfr. No.	Description	Qty.
B4585-9	217661	12-test kit	1/ea
B4585-8	217660	50-test kit	1/ea
B4585-7	217657	100-test kit	1/ea
B4585-6	217659	Test tube rack	1/ea

Sequester-Sol® Anticoagulant

CARDINAL HEALTH - Sequester-Sol® anticoagulant is an aqueous solution of dipotassium EDTA (ethylene diamine tetra-acetate), a stable sequestering agent, readily soluble with blood. Suitable for most hematology and blood chemistry tests, you can obtain complete blood counts, as well as blood smears for staining, within 48 hours after collection without distortion of the cellular constituents. Sequester-Sol® solution stabilizes most chemical constituents of blood (including cellular) until complete analysis is performed. The solution is packaged in a convenient squeezable plastic bottle with a dropper tip for accurate dispensing. One drop per 5 mL of blood. Available in 1 fl. oz. – 29.5 mL bottle.

Sequester-Sol® is a registered trademark of Cambridge Diagnostic Products, Inc.

Cat. No.	Description	Qty.
B2948	Sequester-Sol® anticoagulant	1/ea



Fetal Cell Stain Kit

SIMMLER - This screening test kit is for the detection of erythrocytes containing fetal hemoglobin in maternal blood. Kit includes fetal cell fixing solution (80% reagent alcohol), fetal cell buffer solution (citrate buffer, 0.081M) and fetal cell staining (erythrosin-B, fast green).

Cat. No.	Mfr. No.	Description	Qty.
S0412-100	S0412-100	Fetal Cell Stain Kit - 100 test	1/ea
S0412-00	S0412-00	Fetal Cell Stain Kit - 300 test	1/ea

Replacement solutions

S0411-06	S0411-06	Citrate buffer solution - 950 mL	1/ea
S0412C	S0412C	Fixing solution - 950 mL	1/ea
S0412A-100	S0412A-100	Staining solution - 3 x 120 mL	1/ea



Wright Stain Buffer

CARDINAL HEALTH - Wright stain buffer is for use with Wright stain B4136-1A and Wright stain fixative B4136-2A. It has a pH of 7.15. Ten 4.4 g vials per package.

Cat. No.	Description	Qty.
B4136-3A	Wright stain buffer	10/pk



B4136-1A, stain

B4136-2A, fixative

Wright Stain and Fixative

CARDINAL HEALTH - This Wright Stain has the concentration of stain optimum to give you accurate results when used on the Hemtrak™ WBC differential system and when used for manual staining. For use with Geometric Data's Hemtrak™ system and for manual staining of blood smears. Also good for any time-controlled, automated slide stainer. The plastic container is easy to store and allows convenient dispensing into slide stainer traps. Four 1 gal. containers per case.

Use Methanol fixative in automated and manual fixing of blood smears to glass slides prior to staining and where Methanol is used in staining processes for hematologic studies.

Hemtrak™ is a trademark of Geometric Data.

Cat. No.	Description	Qty.
B4136-1A	Stain - 1 gal.	4/cs
B4136-2A	Fixative - 1 gal.	4/cs



Modified Wright Stain Packs

THERMO SCIENTIFIC RICHARD ALLAN SCIENTIFIC - Designed to fit the Hema-Tek® 1000, 2000 and I slide stainers, these stain packs are supplied in a convenient sleeve that contains stain, buffer and rinse. Packs are manufactured with certified stains and are quality controlled with human blood smears. Stainer accessories are also available. Five stain packs per case

Cat. No.	Mfr. No.	Description	Qty.
B4141-10	3000	Modified Wright stain pack	5/cs
B4141-13	3011	Modified Wright stain pack	8/cs
B4141-11	3005	Modified Wright-Giemsa stain pack	5/cs

Accessories

B4141-14	3012	Platen tubing	3/pk, 8 pk/cs
B4141-12	3010	Pump tubing	3/pk, 8 pk/cs

Hand Tally Counter

CARDINAL HEALTH - This four-digit hand tally counter records to 9,999. White numerals are on a black background behind a protective glass window. Features include heavy-duty, chrome-finish case with hinged finger loop and reset button for return to zero. Thumb pressure on the button produces an audible click. 1 3/4 dia. x 1 1/2 in. W. Net wt. 3 oz.



Cat. No.	Description	Qty.
B4117-1	Hand tally counter	1/ea



Differential Counters

LW SCIENTIFIC - These manual counters are durable and will provide years of use, even in the most demanding laboratory settings. Choose from five- and eight-key models. Both feature a nonslip bottom, an acid-resistant, high-impact plastic body and right and left reset knobs. They include bell alarm for counting 100 cells. A strip chart of mature and immature forms is included.

Cat. No.	Mfr. No.	Description	Qty.
B4120-5	CTL-DIFM-05KY	5-key differential counter	1/ea
B4120-6	CTL-DIFM-08KY	8-key differential counter	1/ea



Digital Differential Counter

LW SCIENTIFIC - These counters are durable and will provide years of use, even in the most demanding laboratory settings. Choose from 5-key and 8-key manual models, or the new 8-key digital model. All models feature pictures of cells, and will ring a bell at each 100-cell increment. The digital counter eliminates gears and levers but still has the ergonomic feel of a manual counter with soft-touch buttons. It uses modern electronics for accuracy, with additional features such as any-time percentages, count correction, and brightness control. It can even run on 2 AA batteries if preferred.

Cat. No.	Mfr. No.	Description	Qty.
TLDIFD08KP	CTL-DIFD-08KP	8-key digital differential counter	1/ea

Hematology

Supplies - Counters/Miscellaneous

COMP-U-DIFF™ Differential Cell Counter and RBC Morphology Workstation

MODULUS DATA SYSTEMS -

The COMP-U-DIFF™ cell counter and counter workstation features count correction, percent calculation capabilities and an alert activated every 100 counts with an optional 100-count lockout. A bright backlit LCD simultaneously displays the digits for all 12 channels. This compact unit has soft-touch keys to increase counting speed and hermetically sealed switches to help prevent count anomalies that might result from environmental contaminants.

The RBC morphology entry is provided by direct entry of up to 24 morphology titles. A series of prompts guide you through data entry procedures and the unit stores up to 127 specimens for later editing and for selective or batch transmission. Output data is formatted for both the computer and the printer. The hemogram recall feature enables you to query the host for hemogram information.



Cat. No.	Mfr. No.	Description	Qty.
B5119-4	10-329	COMP-U-DIFF™ cell counter and workstation	1/ea

DIFFCOUNT III™ Differential Cell Counters

MODULUS DATA SYSTEMS -

Designed for use in hematology laboratories, these microprocessor-controlled differential cell counters calculate percent and absolute WBC values with count correction. Features an alert activated every 100 counts with an optional 100-count lockout. Channels are displayed simultaneously on a bright backlit LCD screen. Soft-touch keys increase counting speed. The counters are available in 8- or 12-cell-count key models. While both models provide three digits per channel counting, the 8-channel model displays three digits per channel, while the 12-channel model displays the two least significant digits and indicates overflow condition above the 99 count.



Specifications:

Operating temperature range32°F to 120°F (0°C to 49°C)

Dimensions (L x W x H)6 x 9 x 2¼ in.

Power requirements110/125 V, 50/60 Hz

Cat. No.	Mfr. No.	Description	Qty.
B5119-1	10-308	8-channel counter	1/ea
B5119-2	10-312	12-channel counter	1/ea
B5119-3	10-312P	12-channel counter, with printer hookup	1/ea



Differential Cell Counters

UNICO - UNICO offers two popular counters: 5-key with total window and 8-key with total window. The 5- and 8-key models are sold with a WBC maturation series picto-strip just above the key windows. All metal housing is durable, chemical-resistant and easy-to-clean and disinfect. Bell signals when 100 cells have been counted.

Cat. No.	Mfr. No.	Description	Qty.
L-BC6	L-BC6	5-key differential counter	1/ea
L-BC9	L-BC9	8-key differential counter	1/ea

Dispensing Tips

CARDINAL HEALTH - These

dispensing tips provide you with accurate and precise repetitive sample delivery when you use them with the Repeater® pipettor. The refillable, disposable sample reservoir holds up to 48 dispensings and helps eliminate contamination of the pipettor and carryover between samples. Tips from 0.5 to 50 mL are polypropylene and polyethylene for strong chemical resistance. The 0.05 mL size consists of a polypropylene barrel with a stainless steel piston and is for use with Eppendorf® ultramicro tips.



Eppendorf® is a registered trademark of Eppendorf Netheler-Hinz GmbH.

Repeater® is a registered trademark of Brinkmann Instruments, Inc.

Cat. No.	Description	Qty.
Nonsterile dispensing tips		
P5061-100	0.05 mL	100/pk
P5061-108*	50 mL	100/pk
Sterile dispensing tips		
P5061-109	0.5 mL	100/pk
P5061-110	1.25 mL	100/pk
P5061-113	12.5 mL	100/pk
P5061-114*	25 mL	100/pk

*Requires adapter

Supplies - Miscellaneous/Slide Coverslips, Cover Glasses

Manual Diff Dropper

CARDINAL HEALTH - A safer and easier way to prepare differentials. Our safer manual diff dropper is designed for the safe and easy dispensing of a single drop of blood to make a differential smear without removing the cap.



Cat. No.	Description	Qty.
CHB4001	Blood dispenser	250/bx, 4 bx/cs

Hemocytometer Cover Glass

CARDINAL HEALTH - Hemocytometer cover glass is made of highly polished, hard-ground glass containing a minimum of free alkali.



Cat. No.	Description	Qty.
B4005	Hemocytometer cover glass - 20 x 26 x 0.4 mm	12/pk, 144/cs



LeukoChek® Test Kit

BIOMEDICAL POLYMERS - Used for manual leukocyte count and platelet count procedures. Tested to CLIA guidelines.

Cat. No.	Mfr. No.	Description	Qty.
BMPLKCHK50	BMP-LUKCHK-50	Kit - includes reservoir and capillary assembly	50/pk, 9 pk/cs



Hematology Dilution Vial

EVERGREEN SCIENTIFIC - Achieve accurate hemolysis- and distortion-free cell and particle counts with this dilution vial. The vial features a one-piece polystyrene design with rounded seams, a frosted writing area and optically clear, parallel sides for optimum light transmission. It includes leak-proof cap with convenient tabs for easy removal.

Cat. No.	Mfr. No.	Description	Qty.
201526605K	201-5266-05K	Dilution vial	144/pk

Plastic Coverslips

CARDINAL HEALTH - Use these disposable plastic coverslips for immediate wet preparations, such as urine and direct feces smears for fats or parasites, which are discarded after use. 0.2286 to 0.2794 mm thick. Clear, noncurling and break-resistant.



Cat. No.	Description	Qty.
M6100	Plastic coverslip - 22 x 22 mm	100/bx

Hemocytometer Cover Glass

AZER SCIENTIFIC - Ideal for blood smears, it is used to cover specimens in hemocytometers (counting chambers). Made of high-quality optical glass, with ground and polished edges. Dimensions: 20 x 26 x 0.4 mm. Packaged individually wrapped.



Cat. No.	Mfr. No.	Description	Qty.
ES2026	ES2026	Hemocytometer cover glass	10/pk, 10 pk/cs

Microscopes Slide Coverslips

AZER SCIENTIFIC - Made of pure white borosilicate glass of the first hydrolytic class, chemical resistance, optimal flatness. Do not emit any disturbing fluorescence under the ultraviolet light of the fluorescence microscope.



Cat. No.	Mfr. No.	Description	Qty.
200121	200121	12 mm circle	1,000/cs
112222	112222	22 x 22 mm, 1 oz. pack	10 oz./cs
ES112430	112430	24 x 30 mm, 1 oz. pack	10 oz./cs
112440	112440	24 x 40 mm, 1 oz. pack	10 oz./cs
112450	112450	24 x 50 mm, 1 oz. pack	10 oz./cs
112455	112455	24 x 55 mm, 1 oz. pack	10 oz./cs
112460	112460	24 x 60 mm, 1 oz. pack	10 oz./cs

Hematology

Supplies - Slides



Superslip® Coverslips and Cover Glass

CARDINAL HEALTH - Superslip® coverslips are specifically designed for use on instruments that automatically apply cover glass, but they also perform well for manual coverslipping in humid environments. These easy-to-use coverslips contain a desiccant and are made to reduce sticking and jamming in coverslippers.

These quality cover glasses offer resistance to corrosion. Thickness and flatness are uniform. No. 1 thickness is 0.13 to 0.17 mm; no. 1½ thickness is 0.16 to 0.19 mm and no. 2 thickness is 0.17 to 0.25 mm. Cover glasses are free from striae, oily films and fingerprints. All cover glasses are packed in a rigid styrene box with semisoft, lint-free foam interior.

Superslip® is a registered trademark of Thermo Fisher Scientific.

Cat. No.	Description	Qty.
Superslip® coverslips		
M6043-4	Coverslip - 24 x 30 x 1 mm	10 oz./cs
M6043-1	Coverslip - 24 x 40 x 1 mm	10 oz./cs
M6043-2	Coverslip - 24 x 50 x 1 mm	10 oz./cs
M6043-3	Coverslip - 24 x 50 x 1.5 mm	10 oz./cs
M6043-5	Coverslip - 24 x 55 x 1 mm	10 oz./cs
No. 1 cover glass		
M6045-1	Cover glass - 18 x 18 mm	10 oz./cs
M6045-2	Cover glass - 22 x 22 mm	10 oz./cs
M6045-3	Cover glass - 22 x 30 mm	10 oz./cs
M6045-4	Cover glass - 22 x 40 mm	10 oz./cs
M6090-5	Cover glass - 22 x 70 mm	10 oz./cs
M6045-6	Cover glass - 22 x 50 mm	10 oz./cs
M6045-7	Cover glass - 24 x 30 mm	10 oz./cs
M6045-8	Cover glass - 24 x 40 mm	10 oz./cs
M6045-9A	Cover glass - 24 x 50 mm	10 oz./cs
M6043-7A	Cover glass - rectangular 24 x 50 mm	10 oz./cs
M6045-10	Cover glass - 24 x 60 mm	10 oz./cs
M6045-11	Cover glass - 24 x 55 mm	10 oz./cs
No. 1½ cover glass		
M6047-2	Cover glass - 22 x 22 mm	10 oz./cs
M6047-3	Cover glass - 22 x 30 mm	10 oz./cs
M6047-4	Cover glass - 22 x 40 mm	10 oz./cs
M6047-6	Cover glass - 22 x 50 mm	10 oz./cs
M6047-8	Cover glass - 24 x 40 mm	10 oz./cs
M6047-9	Cover glass - 24 x 50 mm	10 oz./cs
M6047-10	Cover glass - 24 x 60 mm	10 oz./cs
No. 2 cover glass		
M6050-1	Cover glass - 18 x 18 mm	10 oz./cs
M6050-2	Cover glass - 22 x 22 mm	10 oz./cs
M6050-3	Cover glass - 22 x 30 mm	10 oz./cs
M6050-4	Cover glass - 22 x 40 mm	10 oz./cs
M6050-6	Cover glass - 22 x 50 mm	10 oz./cs
M6050-7	Cover glass - 24 x 30 mm	10 oz./cs
M6050-8	Cover glass - 24 x 40 mm	10 oz./cs
M6050-9	Cover glass - 24 x 50 mm	10 oz./cs
M6050-10	Cover glass - 24 x 60 mm	10 oz./cs

45° Corners Microscope Slides

CARDINAL HEALTH - These high-quality microscope slides are precleaned and feature 45° corners for ease of handling. Available with Superfrost® coating, plain or frosted on one end. Size: 25 x 75 x 1 mm.



Superfrost® is a registered trademark of Thermo Fisher Scientific.

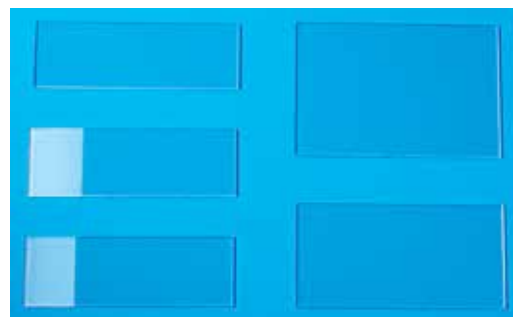
Cat. No.	Description	Qty.
M6146-2A	Superfrost® coating - 25 x 75 x 1 mm	20 gr/cs
M6146-3B	Plain - 25 x 75 x 1 mm	10 gr/cs
M6146-4A	Frosted one end, one side - 25 x 75 x 1 mm	10 gr/cs

1 mm Microscope Slides

CARDINAL HEALTH - These 1 mm glass slides are extremely resistant to scratching, corrosion and fogging. Slides are precleaned and individually selected for uniform quality. Convenient dispenser box contains approximately ½ gross. Slides are 25 x 75 mm.



Cat. No.	Description	Qty.
M6145	Plain - 25 x 75 mm	20 gr/cs
M6147	Frosted 1 end, 1 side - 25 x 75 mm	20 gr/cs



1.2 mm Microscope Slides

CARDINAL HEALTH - Highly resistant to corrosion and moisture, these 1.2 mm microscope slides are made of high-quality glass with edges that are ground smooth to help eliminate sharp cutting surfaces. They are available plain or with frosted ends in a variety of sizes.

Cat. No.	Description	Qty.
M6130	Plain, white glass - 3 x 1 in.	144/gr, 25 gr/cs
M6132	Frosted 1 end, 1 side, white glass - 3 x 1 in.	72/bx, 50 bx/cs
M6134	Frosted 1 end, both sides, white glass - 3 x 1 in.	144/gr, 25 gr/cs
M6140	Plain, white glass - 3 x 1½ in.	2 bx/gr, 5 gr/cs
M6141	Frosted 1 end, 1 side - 3 x 1 in.	144/gr, 10 gr/cs
M6142	For Kline and other agglutination tests, white glass - 3 x 2 in.	2 bx/gr, 5 gr/cs

Bev-L-Edge® Microscope Slides

CARDINAL HEALTH - Use these microscope slides for blood smears and all routine microscopy. All four edges are uniformly beveled to facilitate spreading blood evenly. Clean-packed, ready-to-use. 3 x 1 in. slides are 0.9 to 1 mm thick. Cartons are packed with two 10-gross cases that are sealed in aluminum foil to prolong shelf life and reduce the effects of high humidity and moisture. Packed in boxes of 1/2 gross each.

Bev-L-Edge® is a registered trademark of Propper Mfg. Co. Inc.

Cat. No.	Description	Qty.
M6167-1	Plain - 3 x 1 in.	20 gr/cs
15400103A	Frosted one end, both sides - 3 x 1 in.	20 gr/cs



Colormark® and Colormark Plus® Slides

CARDINAL HEALTH - Designed for use with automated slide labeling machines, Colormark® slides offer excellent etched labeling visibility with a frosted coating that takes and retains most laboratory marking methods. A bright contrasting color is printed on the back of the frosted end so that patient or specimen information etched through the frosted end on the front is clearly visible. These slides are available in Superfrost® white coating or a choice of four Colorfrost® colored coatings. Colormark® slides are also available in Plus glass, which offers superior specimen adhesion. Slides are 25 x 75 x 1 mm thick.

Colormark®, Colormark® Plus®, Colorfrost® and Superfrost® are registered trademarks of Thermo Fisher Scientific.

Cat. No.	Description	Qty.
Colormark® slides		
M6159-2	Blue - 25 x 75 x 1 mm	10 gr/cs
M6159-3	Green - 25 x 75 x 1 mm	10 gr/cs
M6159-4	Pink - 25 x 75 x 1 mm	10 gr/cs
M6159-1	White - 25 x 75 x 1 mm	20 gr/cs
M6159-5	Yellow - 25 x 75 x 1 mm	10 gr/cs
Colormark Plus® slides		
M6159-7	Blue - 25 x 75 x 1 mm	10 gr/cs
M6159-8	Green - 25 x 75 x 1 mm	10 gr/cs
M6159-9	Pink - 25 x 75 x 1 mm	10 gr/cs
M6159-6	White - 25 x 75 x 1 mm	10 gr/cs
M6159-10	Yellow - 25 x 75 x 1 mm	10 gr/cs



Economy Nonselect Microscope Slides

CARDINAL HEALTH - These plain and frosted microscope slides measure 25 x 75 x 1 mm thick.

Cat. No.	Description	Qty.
301449	Economy slide, plain - 25 x 75 x 1 mm	2 pk/gr, 10 gr/cs
M630-4	Safety corner, plain - 25 x 75 x 1 mm	2 pk/gr, 10 gr/cs
301437	Economy slide, frosted - 25 x 75 x 1 mm	2 pk/gr, 10 gr/cs



Economy Select Microscope Slides

CARDINAL HEALTH - These microscope slides are precleaned and measure 25 x 75 x 1 mm. Slide M6147-ECO comes with one end frosted on both sides.

Cat. No.	Description	Qty.
M6145-ECO	Plain - 25 x 75 x 1 mm	2 pk/gr, 10 gr/cs
M6147-ECO	Double frosted end - 25 x 75 x 1 mm	2 pk/gr, 10 gr/cs



Inkjet and Inkjet Adhesion Slides

CARDINAL HEALTH - These microscope slides are specifically designed for use with inkjet printing instruments. The printing instruments use chemical-resistant ink and print text and barcodes directly on the Colorfrost® and Superfrost® tab of the microscope slide. These slides are also available in Plus glass which offers excellent specimen adhesion. Slides are 25 x 75 x 1 mm thick.

Colorfrost®, Colorfrost Plus®, Superfrost® and Superfrost Plus® are registered trademarks of Thermo Fisher Scientific.

Cat. No.	Description	Qty.
Colorfrost® inkjet clipped corner slides		
M6151-6	Aqua	2 pk/gr, 10 gr/cs
M6151-2	Blue	2 pk/gr, 10 gr/cs
M6151-7	Burnt orange	2 pk/gr, 10 gr/cs
M6151-3	Green	2 pk/gr, 10 gr/cs
M6151-4	Pink	2 pk/gr, 10 gr/cs
M6151-9	Tan	2 pk/gr, 10 gr/cs
M6151-5	Yellow	2 pk/gr, 10 gr/cs
Colorfrost Plus® inkjet clipped corner slides		
M6151-15	Aqua	2 pk/gr, 10 gr/cs
M6151-11	Blue	2 pk/gr, 10 gr/cs
M6151-16	Burnt orange	2 pk/gr, 10 gr/cs
M6151-12	Green	2 pk/gr, 10 gr/cs
M6151-13	Pink	2 pk/gr, 10 gr/cs
M6151-17	Lilac	2 pk/gr, 10 gr/cs
M6151-18	Tan	2 pk/gr, 10 gr/cs
M6151-14	Yellow	2 pk/gr, 10 gr/cs
Superfrost® inkjet clipped corner slides		
M6151-1	White	2 pk/gr, 10 gr/cs
Superfrost Plus® inkjet clipped corner slides		
M6151-10	White	2 pk/gr, 10 gr/cs

Hematology

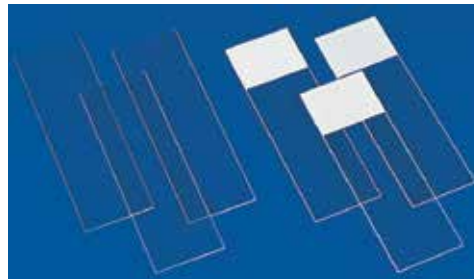
Supplies - Slides



Permafrost Microscope Slides

CARDINAL HEALTH - Manufactured from the highest quality glass, these Permafrost slides have a ¾ in. permanent tab for labeling and measure 25 x 75 x 1 mm thick. Available in a variety of colors.

Cat. No.	Description	Qty.
M940A	Aqua	2 bx/gr, 10 gr/cs
M642	Blue	2 bx/gr, 10 gr/cs
M940BO	Burnt orange	2 bx/gr, 10 gr/cs
M940GL	Gold	2 bx/gr, 10 gr/cs
M643	Green	2 bx/gr, 10 gr/cs
M940L	Lilac	2 bx/gr, 10 gr/cs
M644	Pink	2 bx/gr, 10 gr/cs
M940T	Tan	2 bx/gr, 10 gr/cs
M640	White	2 bx/gr, 10 gr/cs
M640-4	White with safety corner	2 bx/gr, 10 gr/cs
M646	Yellow	2 bx/gr, 10 gr/cs



Premium-Grade Microscope Slides

CARDINAL HEALTH - These high-quality white glass microscope slides provide consistent results and allow easy reading. They are precleaned twice to help eliminate debris and improve wettability. The edges are finely ground to produce a high-quality smear. Slides are packaged in a special thermoform plastic box to minimize exposure to moisture and dust.

Superfrost® is a registered trademark of Thermo Fisher Scientific.

Cat. No.	Description	Qty.
M6155	Plain - 75 x 25 x 1 mm	2 bx/gr, 25 gr/cs
M6158-1	Plain - 3 x 1 in. x 1 mm	1 bx/gr, 10 bx/cs
M6157	Superfrost® coating - 75 x 25 x 1 mm	72/bx, 25 gr/cs
M6146X	Superfrost® coating - 75 x 25 x 1 mm	2 bx/gr, 40 bx/cs
M6158-2	Superfrost® frosted end - 75 x 25 x 1 mm	2 bx/gr, 10 gr/cs
M6158	Superfrost® frosted end - 3 x 1 in. x 1 mm	2 bx/gr, 25 gr/cs

Pusher Slides

CARDINAL HEALTH - Pusher slides are designed for hematology smears. Beveled edges and chamfered corners create a surface with uniform borders to aid in the determination of leukocyte distribution and facilitate more accurate white cell counts.

Slides are 3 x 1 in. and 0.9 to 1 mm thick. Packed ½ gross per box.



Cat. No.	Description	Qty.
M6167-10	Plain - 3 x 1 in.	72/bx, 2 bx/gr
M6167-11	Frosted one end, one side - 3 x 1 in.	72/bx, 2 bx/gr

Polysine® Microscope Slides

CARDINAL HEALTH - The permanent adhesive material on these Polysine® slide attracts frozen tissue sections, paraffin embedded sections, cytocentrifuge preparations and cytology smears helping eliminate the need for extra adhesives or coating techniques. The slide's adhesive is ideal for immunocytochemical and molecular hybridization assays on cell preparations or tissue sections, since it is not affected by chemicals, enzyme predigestion or heating.

Polysine® is a registered trademark of Thermo Fisher Scientific.

Cat. No.	Description	Qty.
M6143	75 x 25 x 1 mm	144/gr, 10 gr/cs

Colorfrost® and Superfrost® Slides

CARDINAL HEALTH - Colorfrost® and Superfrost® slides have a durable, easy-to-write-on, easy-to-read, brilliant opaque coating. The coating helps eliminate any penetration from common laboratory chemicals and reagents. A printed "specimen" key tells instantly which side is up and the raised coating separates slides to help eliminate sticking, scratching and abrasion. These slides also reduce the need for costly, time-consuming paper labeling. Slides have a 1 mm thickness, except slide M6131, which is 1.2 mm thick. Choose from colored slides, for convenient identification and opaque white slides.



Colorfrost® and Superfrost® are registered trademarks of Thermo Fisher Scientific.

Cat. No.	Description	Qty.
Colorfrost® colored slides		
M6148-1A	Aqua - 75 x 25 mm	20 gr/cs
M6148-1B	Blue - 75 x 25 mm	20 gr/cs
M6148-1BO	Burnt orange - 75 x 25 mm	20 gr/cs
M6148-1GL	Gold - 75 x 25 mm	20 gr/cs
M6148-1G	Green - 75 x 25 mm	20 gr/cs
M6148-1L	Lilac - 75 x 25 mm	20 gr/cs
M6148-1P	Pink - 75 x 25 mm	20 gr/cs
M6148-1T	Tan - 75 x 25 mm	20 gr/cs
M6148-1Y	Yellow - 75 x 25 mm	20 gr/cs
M6148-2B	Blue - 75 x 25 mm	20 pk/gr, 10 gr/cs
M6148-2G	Green - 75 x 25 mm	20 pk/gr, 10 gr/cs
M6148-2P	Pink - 75 x 25 mm	20 pk/gr, 10 gr/cs
M6148-2Y	Yellow - 75 x 25 mm	20 pk/gr, 10 gr/cs
Superfrost® white slides		
M6146	White - 75 x 25 mm	20 gr/cs
M6156	Premium white - 75 x 25 mm	25 gr/cs
M6131	White - 76.2 x 25.4 x 1.2 mm	25 gr/cs

Superfrost® Clipped Corner Slides

CARDINAL HEALTH - Recommended for use in the Sysmex® SP-100 automated slide prep unit, clipped corner slides offer exceptional cleanliness and resistance to sticking. Tighter tolerances on length and width help reduce accumulation of glass chips within the instrument. The precleaned slides measure 75 x 25 mm and are approximately 1 mm thick. Two packages of slides per gross.



Superfrost® is a registered trademark of Thermo Fisher Scientific.

Sysmex® is a registered trademark of Sysmex Corporation.

Cat. No.	Description	Qty.
M4951-7A	Aqua - 25 x 75 x 1 mm	10 gr/cs
M4951-1A	Blue - 25 x 75 x 1 mm	10 gr/cs
M4951-8A	Burnt orange - 25 x 75 x 1 mm	10 gr/cs
M4951-10A	Gold - 25 x 75 x 1 mm	10 gr/cs
M4951-2A	Green - 25 x 75 x 1 mm	10 gr/cs
M4951-6A	Lilac - 25 x 75 x 1 mm	10 gr/cs
M4951-3A	Pink - 25 x 75 x 1 mm	10 gr/cs
M4951-9A	Tan - 25 x 75 x 1 mm	10 gr/cs
M4951-4A	White - 25 x 75 x 1 mm	20 gr/cs
M4951-5A	Yellow - 25 x 75 x 1 mm	10 gr/cs

Hematology Analyzer Slide

AZER SCIENTIFIC - Clipped corner slide, measuring 75 x 25 x 1 mm. Features two white, printed bars to help prevent jamming in equipment. Compatible with Beckman Coulter® systems. Packaged 72 slides/box, 20 boxes/case.



Cat. No.	Mfr. No.	Description	Qty.
EMS100TPBA	EMS100TPB	75 x 25 mm - clipped corners	1440/cs

Microscope Slides

AZER SCIENTIFIC - Made of soda-lime glass, these microscope slides are available either plain, with one end frosted or both ends frosted. Ideal for use in the diagnosis and investigation of all types of specimens, slides have undergone an automatic cleaning process, which makes them ready for use upon arrival. Slides are supplied 72 per box, except for Slide 27525103C, which is supplied in a case of 20 boxes (1,440 slides).



Cat. No.	Mfr. No.	Description	Qty.
Plain microscope slide			
2752510	2752510	75 x 25 mm	1440/cs
27525103	27525103	75 x 25 mm - rounded corners	1440/cs
27525103CA	27525103C	75 x 25 mm - rounded corners	1440/cs
27525150	27525150	75 x 25 mm	1440/cs
23110	23110	3 x 1 in.	1440/cs
Microscope slides with one end frosted			
2752511	2752511	75 x 25 mm	1440/cs
27525113	27525113	75 x 25 mm - rounded corners	1440/cs
ES23111	23111	3 x 1 in.	1440/cs
Microscope slides with both ends frosted			
2752512	2752512	75 x 25 mm	1440/cs
23112	23112	3 x 1 in.	1440/cs
231152	231152	3 x 1 in. - 1.2 mm	1440/cs
27525151	27525151	75 x 25 - 1.2 mm	1440/cs

Hematology

Supplies - Slides

Unifrost® Microscope Slides

AZER SCIENTIFIC - Our Unifrost® microscope slides are pre-cleaned with smooth, grounded edges and undergo continuous quality processing. Made from high-quality, white German glass.

All slides feature a single frosted end to help reduce amount of sticking and jamming problems that can occur. The frosted ends are resistant to all common chemicals used in the laboratory.



Cat. No.	Mfr. No.	Description	Qty.
Regular Corner Slides			
EMS200A	EMS200A	Aqua	1440/cs
EMS200B	EMS200B	Blue	1440/cs
EMS200U	EMS200U	Gold	1440/cs
EMS200G	EMS200G	Green	1440/cs
EMS200L	EMS200L	Lilac	1440/cs
EMS200P	EMS200P	Pink	1440/cs
EMS200T	EMS200T	Tan	1440/cs
EMS200W	EMS200W	White	1440/cs
EMS200Y	EMS200Y	Yellow	1440/cs

Clipped Corner Slides

EMSC200A	EMSC200A	Aqua	1440/cs
EMSC200B	EMSC200B	Blue	1440/cs
EMSC200U	EMSC200U	Gold	1440/cs
EMSC200GY	EMSC200GY	Gray	1440/cs
EMSC200G	EMSC200G	Green	1440/cs
EMSC200L	EMSC200L	Lilac	1440/cs
EMSC200P	EMSC200P	Pink	1440/cs
EMSC200OR	EMSC200OR	Orange	1440/cs
EMSC200T	EMSC200T	Tan	1440/cs
EMSC200W	EMSC200W	White	1440/cs
EMSC200Y	EMSC200Y	Yellow	1440/cs

Positive - Charged Regular Corner Slides

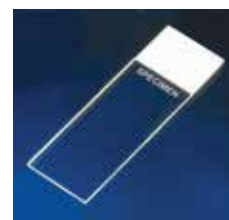
EEMS200A	EMS200A+	Aqua	1440/cs
EEMS200B	EMS200B+	Blue	1440/cs
EEMS200U	EMS200U+	Gold	1440/cs
EEMS200G	EMS200G+	Green	1440/cs
EEMS200L	EMS200L+	Lilac	1440/cs
EEMS200P	EMS200P+	Pink	1440/cs
EEMS200T	EMS200T+	Tan	1440/cs
EEMS200W	EMS200W+	White	1440/cs
EEMS200Y	EMS200Y+	Yellow	1440/cs

Positive - Charged Clipped Corner Slides

EEMSC200A	EMSC200A+	Aqua	1440/cs
EEMSC200B	EMSC200B+	Blue	1440/cs
EEMSC200U	EMSC200U+	Gold	1440/cs
EMS200GYP	EMS200GY+	Gray	1440/cs
EEMSC200G	EMSC200G+	Green	1440/cs
EEMSC200L	EMSC200L+	Lilac	1440/cs
EEMSC200P	EMSC200P+	Pink	1440/cs
EMS200OR1	EMS200OR+	Orange	1440/cs
EEMSC200T	EMSC200T+	Tan	1440/cs
EEMSC200W	EMSC200W+	White	1440/cs
EEMSC200Y	EMSC200Y+	Yellow	1440/cs



M6137A Frosted, M6135 Plain



4951F Superfrost® White

3 x 1 in. x 1 mm Microscope Slides

ERIE SCIENTIFIC - These individually selected, precleaned slides are made from noncorrosive, high-quality white sheet glass. The double frosted slide features sandblasted frosted end on both sides of the slide for permanent marking. The frosted slides are sandblasted for marking specimens. The Superfrost® slide features a white painted tab for marking specimens. All slides are 3 x 1 in.

Cat. No.	Mfr. No.	Description	Qty.
M6135	2950F	Plain	2 bx/gr, 10 gr/cs
M6137A	2951F	Frosted	2 bx/gr, 10 gr/cs
2951DF	2951DF	Double frosted	2 bx/gr, 10 gr/cs
4951F	4951F-001T	Superfrost® White	10 gr/cs

Double Frosted Microscope Slides

ERIE SCIENTIFIC - M6159-28 features a sandblast frosted end on both sides of slide. M6165-1 features an etch-frosted end on both sides of the slide. All slides are precleaned and resistant to scratching, corrosion and fogging. Size 25 x 75 x 1 mm thick.



Cat. No.	Mfr. No.	Description	Qty.
M6165-1	2991D	Etched frosted end, both sides	144/gr, 10 gr/cs
M6159-28	2951D	Sandblast frosted end, both sides	10 gr/cs



Plain Microscope Slide

ERIE SCIENTIFIC - J. Melvin Freed Brand™ Premium Plain slides, selected for use in hematology, microbiology and urinalysis. Slides measure 3 x 1 in. x 1 mm thick

Cat. No.	Mfr. No.	Description	Qty.
301M	2950WFX-003	Premium plain 3 x 1 in. x 1 mm	25 gr/cs

Supplies - Slide Staining Accessories



Slide Staining Kit

BRANDTECH SCIENTIFIC - Slide staining kit (one rack + one jar) simplifies the staining of standard sized slides (76 x 26 mm). The staining rack holds 25 slides, and the staining jar can also be used as a storage box for 25 slides.

Cat. No.	Mfr. No.	Description (L x W x H)	Qty.
P4000-1025	V99099	Slide staining kit - 100 x 87 x 51 mm	5/pk
P4000-1026	V99199	Staining jar - 100 x 87 x 51 mm	5/pk
P4000-1027	V99299	Staining rack - 91 x 79 x 38 mm	10/pk

Columbia Staining Jars for Cover Slips

DWK LIFE SCIENCES - These staining jars hold up to 4 cover slips, 17 to 23 mm wide and up to 30 mm long. Longer cover slips can be accommodated if the cap is removed. The jar includes a 43-400 white polypropylene screw cap with a PTFE coated polyethylene liner. Made from soda-lime glass, the jar is chemical resistant. In addition to staining applications, Columbia Jars can be used for cleaning cover slips, as well as coating them with materials such as poly-lysine or silane.

- Unit holds 4 cover slips
- Polypropylene screw cap with PTFE coated PE liner

Cat. No.	Mfr. No.	Description	Qty.
S7608-15	W900180	Columbia staining jar	1/cs
S7608-16	W900180-6	Columbia staining jar	6/cs

5/10-Slide Staining Jar with Glass Cover

DWK LIFE SCIENCES - This popular staining jar has heavy glass walls and a broad base for increased stability. It holds five single 3 x 1 in. (75 x 25 mm) slides vertically, or 10 slides back to back, and requires low reagent volume (approximately 65 mL). Manufactured from soda-lime glass. Approximate inside dimensions (mm): 26 L x 26 W x 90 D.

- Unit holds 10 slides
- Glass cover
- 65 mL capacity

Cat. No.	Mfr. No.	Description	Qty.
S7660-1	900470	5/10-slide staining jar with glass cover	6/cs



5/10-Slide Staining Jar with White Polypropylene Cap

DWK LIFE SCIENCES - This unit is used for staining slides, or as a developing chamber for thin-layer chromatography. It holds five single 3 x 1 in. (75 x 25 mm) slides vertically, or 10 slides back-to-back. The screw cap is made of linerless white polypropylene to reduce solvent evaporation. The unit has a rectangular base and holds approximately 60 mL. Manufactured from soda-lime glass. Approximate inside dimensions (mm): 26 L x 26 W x 90 D.

- 60 mL capacity

Cat. No.	Mfr. No.	Description	Qty.
S7655-1A	900570	5-slide staining jar with white polypropylene cap	6/cs



5/10-Slide Staining Jar, Tall with Lid

DWK LIFE SCIENCES - The chamber is designed with an extra tall lid to accept 5 single 25 x 75 mm and 25 x 100 mm slides or 10 slides back to back. Manufactured from soda-lime glass. Approximate inside dimensions (mm): 26 L x 26 W x 90 D.

- Fits 5 single slides or 10 slides back-to-back
- Extra tall lid accommodates 100 mm slides

Cat. No.	Mfr. No.	Description	Qty.
S7665-2	276840	5/10-slide staining jar, tall with lid	6/cs

10-Slide Staining Jar with White Polypropylene Cap

DWK LIFE SCIENCES - This unit holds ten 3 x 1 in. (75 x 25 mm) slides, which extend above the opening so you can manipulate them without using forceps. The screw cap is made of linerless white polypropylene to reduce solvent evaporation and spills during storage. The unit has a rectangular base and holds approximately 55 mL. Manufactured from soda-lime glass. Approximate inside dimensions (mm): 26 L x 26 W x 70 D.

- Holds 10 slides
- Polypropylene screw cap
- 55 mL capacity

Cat. No.	Mfr. No.	Description	Qty.
S7657-1A	900520	10-slide staining jar with white polypropylene cap	6/cs



Hematology

Supplies - Slide Staining Accessories

16-Slide Staining Jar with Cover

DWK LIFE SCIENCES - This jar's wide top is designed for convenience in transferring slides, making it especially suitable for staining slides that are inscribed on one end. The jar holds 8 single 3 x 1 in. (75 x 25 mm) slides vertically or 16 slides back-to-back. Manufactured from soda-lime glass. Approximate inside dimensions (mm): 47 L x 26 W x 79 D.



- Fits 8 single slides or 16 slides back-to-back
- Wide top makes transferring slides convenient
- Includes glass lid

Cat. No.	Mfr. No.	Description	Qty.
S7665-1	900620	16-slide staining jar with cover	6/cs

16-Slide Staining Jar, Hellendahl

DWK LIFE SCIENCES - This Hellendahl-type dish can be used for staining or as a TLC developing chamber. It holds 8 individual 3 x 1 in. (75 x 25 mm) slides or, if necessary, 16 slides back-to-back. Manufactured from soda-lime glass. Approximate inside dimensions (mm): 76 L x 25 W x 75 D.



- Fits 8 single slides or 16 slides back-to-back
- Used as staining dish or TLC developing chamber
- Includes glass lid

Cat. No.	Mfr. No.	Description	Qty.
S7608-14	900630	16-slide staining jar, Hellendahl	6/cs

Slide Grip

DWK LIFE SCIENCES - Polypropylene grip allows for easy and safe transfer of five slides to other containers for staining. It fits into Wheaton Coplin staining jars.



Cat. No.	Mfr. No.	Description	Qty.
S7655-2A	900575	Slide grip	2/cs



EasyDip™ Slide Staining Jars and Rack

SIMPORT SCIENTIFIC - These slide staining jars and rack are ideal for use with special stains, frozen sections and special processes. Jars are made of acetal that is designed not to break like glass staining jars and resists attacks by most staining agents, including alcohol and xylene but not phenol, iodine or ferric chloride. Jars feature a wide base to provide stability with a recessed interior that requires a small reagent volume of only 80 mL. You can loosely join the jars to each other laterally to help ensure jar order when moved.

The slide staining rack is designed for use with EasyDip™ slide staining jars and can hold up to twelve 25 x 75 mm or 26 x 76 mm microscope slides with a thickness of 1 and 1.2 mm. Place slides vertically into individual slots for free passage and rapid drainage of staining fluid. A permanently attached handle enables you to easily insert and remove the slides without your fingers touching the solution.

Jars are available in five different colors. Jars and rack are sold separately.

Jar dimensions (L x W x H): 64 x 76 x 92 mm.

Rack dimensions (L x W x H): 60 x 64 x 97 mm.

Cat. No.	Mfr. No.	Description	Qty.
Staining jars			
S7662-1	M900-12B	Blue	6/cs
S7662-12	M900-12G	Green	6/cs
S7662-23	M900-12P	Pink	6/cs
S7662-29	M900-12W	White	6/cs
S7662-30	M900-12Y	Yellow	6/cs
Staining rack			
S7662-27	M905-12DGY	Dark gray	6/cs

AUTION ELEVEN™ AE-4022

ARKRAY - The ARKRAY AUTION ELEVEN™ AE-4022 Semi-Automated Urine Chemistry Analyzer is ideal as a standalone analyzer in medium to high volume facilities, as well as a back-up solution for fully automated urine analyzers.



- Quality Results – Strips are automatically read eliminating tech to tech variability and potential errors
- Compact Size – Smallest semi-automated footprint on the market maximizes laboratory space
- Easy to Use – Continuous placement of strips every 7 seconds minimizes workflow interruptions
- Improved Quality Control – QC and Operator ID lockout capability ensures quality and compliance

Cat. No.	Mfr. No.	Description	Qty.
ARK102974	102974	AUTION ELEVEN™ AE-4022 Analyzer	1/ea



AUTION HYBRID™ AU-4050

ARKAY - Simplify urinalysis testing with the AUTION HYBRID™ AU-4050. The fully automated urine analyzer integrates two trusted technologies to perform both urine chemistry and sediment analysis to achieve enhanced workflow, quality results, and improved outcomes.

- Compact Design: 30-50% smaller than the competition
- Proven Technology: Reliable urine chemistry module and test strips
- Reduce Subjectivity: Generate standardized accurate sediment results
- True Walkaway: Minimize hands-on time only focusing on flagged results
- Easy to Use: User friendly system is easy to learn and maintain proficiency
- Improve Outcomes: Accurate bacteria results allow clinicians to rapidly screen for UTI

Cat. No.	Mfr. No.	Description	Qty.
ARK14601	ARK14601	AUTION HYBRID™ AU-4050 analyzer	1/ea



AUTION MAX™ AX-4030

ARKAY - Improve confidence in urinalysis testing with the reliable performance of the AUTION MAX™ AX-4030. The fully automated urine chemistry analyzer is simple to operate, optimizes workflow, and generates quality results.

- Easy to Use – Simple user interface
- Optimized Workflow – Load rack, press start, and walk away
- Quality Results – Standardized strip technology across AUTION product lines

Cat. No.	Mfr. No.	Description	Qty.
ARK14505	ARK14505	AUTION MAX™ AX-4030 analyzer	1/ea



CLINITEK Advantus® Urine Analyzer

SIEMENS HEALTHCARE DIAGNOSTICS - The CLINITEK Advantus Urine Analyzer automatically reads, interprets and documents urinalysis test strip results quickly up to one test every 7 seconds. Other features include: barcode entry of patient and operator ID, flags for microscopic and confirmatory follow-up, microscopy result entry, QC prompting and lock-out, auto-calibration, stat interrupt and LIS connectivity.

Cat. No.	Mfr. No.	Description	Qty.
U2261-502	1420	CLINITEK Advantus Urine analyzer	1/ea

Urinalysis

Analyzers and Accessories/Controls



CLINITEK Status®+ and CLINITEK Status® Connect Urine Analyzers

SIEMENS HEALTHCARE DIAGNOSTICS - Use the CLINITEK Status®+ Analyzer or CLINITEK Status Connect System for the semi-quantitative detection of albumin, bilirubin, blood (occult), creatinine, glucose, ketone (acetoacetic acid), leukocytes, nitrite, pH, protein, specific gravity, urobilinogen and qualitative hCG in urine samples, depending on the type of urinalysis test used. **CLIA-waived** urine analyzer with touch-screen display featuring alphanumeric input, operator and QC management and connectivity. CLINITEK Status + Analyzer has a 950-patient test memory, including name and/or patient identification, plus a memory for 700 operator IDs. CLINITEK Status Connect System provides additional features: QC management and lock-out with 200 control test memory, barcode reader and additional connectivity ports.

Cat. No.	Mfr. No.	Description	Qty.
1780A	1780	CLINITEK Status + Analyzer	1/ea
1797A	1797	CLINITEK Status Connect System	1/ea

Accessories and Supplies for CLINITEK® Analyzers

SIEMENS HEALTHCARE DIAGNOSTICS - Reagent strips are also available—ask your sales or customer service representative for details.

Cat. No.	Mfr. No.	Description	Qty.
U2261-63A	1759	Label printer paper for use with CLINITEK Status®, Status®+, Status® Connect analyzers	5/pk
U2261-18	5773	Thermal printer paper for CLINITEK® 50/100/500/Status®/Status®+/ Status® Connect/Advantus™ analyzers	5/pk
1795A	1795	Wireless adapter for CLINITEK Status®	1/ea

CLINITEK Status® Connector Platform

SIEMENS HEALTHCARE DIAGNOSTICS - Connector platform provides connection for either the CLINITEK Status® or Status®+ analyzer, providing additional connectivity options for serial, ethernet, or wireless connections, two USB ports and barcode reader port. Adds QC management and lockout feature capabilities with memory capacity for 200 controls.



Cat. No.	Mfr. No.	Description	Qty.
1790A	1790	Connector platform	1/ea

CLINITEK Status® Connect Upgrade Kit

SIEMENS HEALTHCARE DIAGNOSTICS - Upgrade CLINITEK Status® or CLINITEK Status®+ analyzers to the CLINITEK Status® Connect System. Upgrade kit includes: CLINITEK Status® connector, barcode reader and software.

Cat. No.	Mfr. No.	Description	Qty.
1782A	1782	Upgrade kit	1/ea

KOVA® Refractrol SP

KOVA INTERNATIONAL - KOVA Refractrol SP control provides 5 levels of serum protein control solutions for use in refractometry. Refractrol SP was designed for use with temperature compensated and non-compensated refractometers. Recovery of the assigned values provides assurance of measurements of plasma or serum protein concentration. Each level of Refractrol is separately packaged in easy-to-use 2 mL vials.



Cat. No.	Mfr. No.	Description	Qty.
U84652	84652	Low level - 12 x 2 mL	12/bx
U84653	84653	Normal level - 12 x 2 mL	12/bx

KOVA® System Urinalysis Quality Controls

KOVA INTERNATIONAL - These comprehensive human urine controls are for physical, chemical (test strips) and microscopic examination of urine. Qualitative and quantitative values are listed for pH, protein, glucose, ketones, hemoglobin, bilirubin, urobilinogen, nitrites, leukocyte esterase, specific gravity and osmolality. Red blood cells, white blood cells, casts and crystals are included for controlling microscopic analysis along with hCG for controlling pregnancy tests. Microalbumin and creatinine values are provided with KOVA-Trol™ controls.

The KOVA-Trol™ I high abnormal control is a stable human urine control with constituents in the high abnormal range.

The KOVA-Trol™ II low abnormal control is a stable human urine control with constituents in the low abnormal range.

The KOVA-Trol™ III normal control is a stable human urine control with constituents in the normal range and includes hCG for use as a positive control with urine pregnancy tests.

The KOVA® Liqua-Trol™ normal and abnormal controls contain no microscopic elements. Ready-to-use stable human liquid urine controls: one with constituents in the normal range, the other in the abnormal range. The normal level contains hCG. Controls offer 30-day room temperature stability.

The KOVA® Liqua-Trol™ controls with microscopics have the same features of Liqua-Trol™ controls and include the addition of red blood cells, white blood cells and crystals so they can be used as controls for manual or instrument microscopic procedures. The normal level contains hCG. Supplied in oversized bottles for less spillage.

KOVA® Dip-Tube Controls contains measured amounts of chemicals, stabilized human red cells and organic particles to simulate leukocytes. It is a ready-to-use liquid product created to serve as a control for physical, chemical and microscopic tests routinely performed in urinalysis.



Dip-Tube 87228

Dip-Tube 87222

Cat. No.	Mfr. No.	Description	Qty.
KOVA-Trol™ I high abnormal controls			
U3050-28A	87329	15 mL without urobilinogen	4/bx
U3050-24A	87325	60 mL without urobilinogen	4/bx
87426	87426	60 mL without urobilinogen	8/bx
U3050-38A	87334	15 mL with urobilinogen	4/bx
U3050-36A	87332	60 mL with urobilinogen	4/bx
87533	87533	60 mL with urobilinogen	8/bx
KOVA-Trol™ II low abnormal control			
U3050-29	87130	4 x 15 mL	4/pk
87428	87428	8 x 60 mL	1/pk
KOVA-Trol™ III normal control			
U3050-30A	87331	15 mL with hCG	4/bx
U3050-27A	87327	60 mL with hCG	4/bx
87528	87528	60 mL with hCG	8/bx

Cat. No.	Mfr. No.	Description	Qty.
KOVA® Liqua-Trol™ control			
U3050-35A	87112	Level II (normal with hCG) and Level I (abnormal), 6 x 15 mL	1/pk
KOVA® Liqua-Trol™ controls with microscopic			
U3051-1A	87122	Level II (normal with hCG), 2 x 120 mL	1/pk
U3051-2A	87176	Level I (abnormal), 2 x 120 mL	1/pk
U3051-3A	87123	Level II (normal with hCG), 4 x 120 mL	1/pk
U3051-4A	87177	Level I (abnormal), 4 x 120 mL	1/pk
KOVA® Dip-Tube™ controls with microscopic			
87222	87222	1 Abnormal and 1 normal w/HCG	2/bx
87228	87228	4 Abnormal and 4 normal w/HCG	8/bx

Urinalysis

Controls/Strips

Dip&Spin® Urinalysis Dipstick/ Microscopics Control

QUANTIMETRIX - A complete urinalysis control with new and improved crystals. Dip&Spin now features improved Calcium Oxalate Dihydrate (COD) crystals that are easily recognized by both standard microscopy and automated microscopy methodologies. Formulated with real human RBCs and WBCs, Dip&Spin makes for an excellent urinalysis dipstick and sediment combination quality control for the clinical lab.

Compatible with most urine strip brands, manual microscopy methods, and automated analyzers such as: iQ®200 Series, COBIO variants, UriSed variants, Mindray EH, Siemens Clinitek. Now with values for Roche Cobas® 6500.*

- Two controls in one
- Liquid, made with human urine
- 18-month shelf life and open vial stability from date of manufacture when stored at 2°C to 8°C*

Dip&Spin Analytes*

Bilirubin, Blood, Creatinine, Calcium Oxalate Crystals, Glucose, hCG, Ketones, Leukocytes, Microalbumin, Nitrite, pH, Protein, Red Blood Cells, Specific Gravity, Urobilinogen and White Blood Cells.

**Refer to the package insert of currently available lots for specific analyte, stability claims and instrument compatibility.*

Cat. No.	Mfr. No.	Description	Qty.
1470-01	1470-01	Dip&Spin 2 level set - 120 mL	2 sets/bx



QuantScopics® Urinalysis Microscopics Control

QUANTIMETRIX - Formulated with real human RBCs and WBCs, QuantScopics makes for a cost-effective way to monitor the performance of urinalysis sediment for both manual and automated microscopy methods. Includes qualitative and quantitative values for manual and automated urine sediment systems and analyzers.* The control features easy-to-use squeeze bottles for simple dispensing.

- Cost-effective
- Liquid, made with human urine
- 2-year shelf life and open vial stability from date of manufacture when stored at 2°C to 8°C*

QuantScopics Analytes*

Crystals, Red Blood Cells, White Blood Cells.

**Refer to the package insert of currently available lots for specific analyte, stability claims and instrument compatibility.*

Cat. No.	Mfr. No.	Description	Qty.
1481-41	1481-41	QuantScopics Level 1, Low - 120 mL	4/bx
1482-41	1482-41	QuantScopics Level 2, High - 120 mL	4/bx



CHEK-STIX® Control Strips for Urinalysis

SIEMENS HEALTHCARE DIAGNOSTICS - CHEK-STIX® control strips for urinalysis are firm plastic strips to which separate dry reagent areas are affixed. When these ingredients are dissolved out of the analyte pads in distilled or deionized water, the strips provide positive or defined results for the analyte indications found on MULTISTIX® reagent strips. CHEK-STIX® strips provide control material for specific gravity, pH, protein, glucose, ketone (acetoacetic acid), bilirubin, blood, nitrite, urobilinogen and leukocytes. Stable up to 8 hours after reconstitution at temperatures under 30°C. Packaged 25 strips per bottle. Combo pack 1364A includes one bottle each of positive and negative control strips.

Cat. No.	Mfr. No.	Description	Qty.
U2700-1	1360	Positive control	1/ea
1364A	1364	Combo pack	6/cs

Single Reagent Test Strips for Urinalysis

SIEMENS HEALTHCARE DIAGNOSTICS - Albustix® and Hemastix® urinalysis tests strips provide a simple and convenient way to detect the presence of protein and blood in urine.



Cat. No.	Mfr. No.	Description	Qty.
U2386	2191	ALBUSTIX® strip - protein	100/pk, 12 pk/cs
U2330	2190	HEMASTIX® strip - blood	50/pk, 12 pk/cs

Siemens Urinalysis Reagent Strips

SIEMENS HEALTHCARE DIAGNOSTICS - Reagent strips for urinalysis are firm plastic strips to which separate reagent test pads are affixed. The reagent strips provide tests for glucose, bilirubin, ketone (acetoacetic acid), specific gravity, blood, pH, protein, urobilinogen, nitrite, leukocytes, albumin and creatinine found in urine samples. The reagent test pads on these reagent test strips are ready to use right from the bottle and the entire reagent strip is disposable.

Certain configurations of urinalysis strips require instrument readings on the CLINITEK Status+®, CLINITEK Status Connect® and CLINITEK Advantus® urine chemistry analyzers, which offer increased standardization in urinalysis. Lot number and expiration date are included. Additional accessories for CLINITEK analyzers are available.



Cat. No.	Mfr. No.	Description	Qty.
Visual or instrument read			
U2604-2	2161	Glucose, bilirubin, ketone, specific gravity, blood, pH, protein, urobilinogen, nitrite, leukocytes	100/pk, 24 pk/cs
U2604-12	1554	Glucose, ketone, specific gravity, blood, pH, protein, nitrite, leukocyte, creatinine and protein to creatinine ratio	100/pk, 24 pk/cs
U2604-11	1566	Glucose, ketone, specific gravity, blood, pH, protein, nitrite, leukocyte, creatinine and protein to creatinine ratio	25/pk, 24 pk/cs
U2604-3	2162	Glucose, bilirubin, ketone, blood, pH, protein, urobilinogen, nitrite, leukocytes	100/pk, 24 pk/cs
U2604-4	2163	Glucose, bilirubin, ketone, specific gravity, blood, pH, protein, nitrite, leukocytes	100/pk, 24 pk/cs
U2604-5	2164	Glucose, ketone, specific gravity, blood, pH, protein, nitrite, leukocytes	100/pk, 24 pk/cs
U2604-9	2165	Glucose, ketone, blood, pH, protein, nitrite, leukocytes	100/pk, 24 pk/cs
B5373-2309	2309	Glucose, blood, protein, nitrite, leukocytes	100/pk, 24 pk/cs
U2604-6	2166	Protein, glucose, nitrite, leukocytes	100/pk, 12 pk/cs
U2605-1	2179	Glucose, bilirubin, ketone, specific blood, pH, protein, urobilinogen	100/pk, 24 pk/cs
U2722	2182	pH, protein, glucose, blood	100/pk, 12 pk/cs
U2711	2184	Protein, glucose	100/pk, 12 pk/cs
Instrument read only by Siemens CLINITEK Status+ and Status Connect analyzers			
U2400-3A	2083	Microalbumin, creatinine and albumin to creatinine ratio	25/pk, 12 pk/cs
Visual read			
U2723	2181	pH, protein, glucose, ketone, blood	100/pk, 24 pk/cs
U2721	2183	pH, protein, glucose	100/pk, 12 pk/cs
U2604-3	2162	Glucose, bilirubin, ketone, blood, pH, protein, urobilinogen, nitrite, leukocytes	100/pk, 24 pk/cs
U2604-4	2163	Glucose, bilirubin, ketone, specific gravity, blood, pH, protein, nitrite, leukocytes	100/pk, 24 pk/cs
U2605-1	2179	Glucose, bilirubin, ketone, specific blood, pH, protein, urobilinogen	100/pk, 24 pk/cs
U2330	2190	Blood	50/pk, 12 pk/cs
U2386	2191	Blood, Protein	100/pk, 12 pk/cs

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Urinalysis

Supplies

KOVA® System Components

KOVA INTERNATIONAL - The KOVA® super tube is a break-resistant, clean tube that is graduated to 12 mL. It is specifically designed to help prevent sample loss from cracked or leaking tubes during transportation and centrifugation.

The KOVA® Economy tube is designed for transportation and centrifugation has the same specifications as KOVA® super tubes. It is made of break-resistant styrene.

The KOVA® Pette pipette is multipurpose and is designed to retain 1 mL of urine sediment and provide virtually contamination-free decanting, gentle re-suspension and transfer of sediment to slide.

The KOVA® Cap provides secure, leak-resistant use of KOVA® tubes for transport and storage. It helps contain aerosolizing during centrifugation and possible contamination of lab personnel by potentially infective specimens. Uncapping is made easier with a flip tab that covers 1/3 of the cap's circumference.

KOVA® Stain is a specifically formulated, modified Sternheimer-Malbin stain for use with the KOVA® systems. It facilitates the differentiation of cellular elements in urine sediment.



Cat. No.	Mfr. No.	Description	Qty.
U3050-3	87139	Caps	500/cs
U3050-4	87135	Pette pipette	500/pk
U3050-1	87138	Economy tube	500/cs
U3050-2	87137	Super tube - 12 mL graduated	500/cs
U3050-10	87116	Stain - 5 mL	3/pk



KOVA® System Pacs and Collection

KOVA INTERNATIONAL - KOVA® system Pacs are an economical way to purchase KOVA® system components. All configurations include one System Pac per package. They contain KOVA® slides, tubes and pette pipettes and are available in the following configurations:

- KOVA® System Pac II: 400 Super tubes, 400 Pette pipettes and 100 Slide II slides for 400 determinations
- KOVA® System Value Pac 500: 500 Economy tubes, 500 Pette pipettes and 50 Glasstic® Slide 10-chambered slides for 500 determinations.
- KOVA® System Super Pac 1,000: 1,000 Super tubes, 1,000 Pette pipettes and 100 Glasstic® Slide 10-chambered slides with grids for 1,000 determinations.
- KOVA® System Super Pac 1000 with Counting Grids: 1,000 Super tubes, 1,000 Pette pipettes and 100 Glasstic® Slide 10-chambered slides with hemocytometer counting grids for 1,000 determinations.

KOVA® Ko-Lec-Pac® is an economical means to collect and transport samples for use with the Kova system. They contain 500 super tubes, 500 caps, 500 cups, 500 labels and 5 transport racks.

Cat. No.	Mfr. No.	Description	Qty.
U3050-7	87155	System Pac II - 400 determinations	1/ea
U3050-8	87156	System Value Pac 500	1/ea
U3050-9	87154	System Super Pac 1,000	1/ea
U3050-5	87153	System Super Pac 1,000 and caps	1/ea
HY87162	87162	System Super Pac 1,000 with counting grids	1/ea
U3048-2A	87141	KOVA® Ko-Lec-Pac®	1/ea



KOVA® Decanting Rack

KOVA INTERNATIONAL - Specially designed rack to keep up to 10 specimen tubes upright while decanting.

Cat. No.	Mfr. No.	Description	Qty.
U3050-77	87136	Decanting rack	1/ea

KOVA® System Slides

KOVA INTERNATIONAL - These disposable, optically clear, one-piece microscope slides contain 4 or 10 individual examination chambers. Each chamber provides a standard depth so you can examine a consistent volume of homogeneous urine sediment. The slides reduce contamination hazards from potentially infective specimens and help prevent intermixing of samples. They can be used with brightfield, phase contrast or polarized light microscopy.

The Slide II features 4 individual examination chambers. Each numbered chamber provides 0.15 mm standard depth to examine a constant volume of urine sediment.

The Glasstic® Slide 10 features 10 chambers, a large viewing area, visual optics similar to glass and a single focal plane.

The Glasstic® Slide 10 with grids is the same as the Glasstic® slide 10 with the addition of a hemacytometer-style grid molded into each chamber, so you can quantify urine sediment and other body fluid cell counts to cells per microliter of patient sample.



Cat. No.	Mfr. No.	Description	Qty.
U3050-11	87118	Slide II	100/pk
U3050-12	87100	Slide II with counting grids	100/pk
U3050-17	87157	Glasstic® Slide 10,	50/pk
U3050-16	87146	Glasstic® Slide 10,	100/pk
U3050-18	87144	Glasstic® Slide 10 with grids	100/pk

Ictotest Reagent Tablets for Urinalysis

SIEMENS HEALTHCARE DIAGNOSTICS - Ictotest® Reagent Tablets are used to test for the presence of bilirubin in urine. Use of Ictotest requires a dropper and distilled water, in addition to the absorbent mats and reagent tablets provided. The test is easy to perform and gives timely and accurate confirmatory urine bilirubin results in one minute. Level of detection ≥ 0.05 to 0.1 mg bilirubin/dL in urine (0.9–1.7 $\mu\text{mol/L}$).



Cat. No.	Mfr. No.	Description	Qty.
U2515-1	2591U	ICTOTEST® tablet test - bilirubin	100/pk, 6 pk/cs



Urin-Tek® Urine Collection System

SIEMENS HEALTHCARE DIAGNOSTICS - The Urin-Tek® Urine Collection System consists of a disposable plastic tube (15 mL capacity) with an easy-on, easy-off plastic snap-cap; a self-adhesive identification label; a flat-bottom 3 oz. paper collection cup and a 10-tube disposable tube holder for easy handling of specimens during collection, transport and testing. Tubes are graduated in milliliters and can be centrifuged for microscopic analysis. Urin-Tek® tubes and caps can be purchased separately.

Cat. No.	Mfr. No.	Description	Qty.
U2200-3	4202	Urine collection system	500/cs
U2205-1	4204	Tubes only	500/cs
U2205-2A	4205	Caps only	500/pk, 6/cs

Terms and Conditions of Sale

The following sets forth the terms and conditions of sale for Cardinal Health 200, LLC located at 7000 Cardinal Place, Dublin, Ohio 43017. ("Cardinal Health"). By placing an order, Customer agrees to the terms and conditions below to the extent not inconsistent with any specific written agreement between Cardinal Health and Customer.

Prices

For up-to-the-minute price and availability, call your local Cardinal Health Customer Service Representative or sign in to www.cardinalhealth.com. Minimum order quantities and/or special handling and/or delivery fees may apply. Please confirm at time of order placement.

Some products distributed by Cardinal Health may not be available for sale outside the U.S. and Puerto Rico.

Payment Terms

Payment terms are net 30 days, provided that Cardinal Health may at any time cancel, increase or decrease such credit limit, place Customer on C.O.D. or hold products from shipping based upon Customer's payment performance, changes in Customer's financial condition or other credit considerations deemed relevant by Cardinal Health. Any invoice that is paid past its due date will be assessed interest at a 1½% monthly (or 18% annual) rate or the highest amount allowed by law, if lower. Failure or delay by Cardinal Health to bill Customer for any such service charge will not waive Cardinal Health's right to receive the same.

Any invoice dispute must include the following along with the partial payment of any undisputed portion from such invoice:

- (1) Invoice number, (2) Product code, (3) Amount disputed, and
- (4) Specific details as to the nature of the dispute.

Until products are paid for in full, Cardinal Health retains, and the Customer hereby grants Cardinal Health, a security interest in the products. Cardinal Health shall have a security interest in any deposit(s) to secure payment of all of Customer's obligations, now existing, and arising in the future, to Cardinal Health or any entities affiliated with Cardinal Health. If Customer defaults on any payment due to Cardinal Health, Cardinal Health may exercise a right of setoff against any deposit held by Cardinal Health or any amounts owed by any affiliate of Cardinal Health to Customer.

Returned Goods Policy

Return Procedure

All returns must be authorized by your Cardinal Health Sales or Customer Service Representative, who will advise you of the proper mode of transportation for the shipment. Authorization will be valid for only 30 days.

Each return must include the following information:

- (1) Return Goods Authorization, (2) Purchaser name and address,
- (3) Cardinal Health invoice number, (4) Invoice date, (5) Purchaser purchase order number, (6) Quantity, catalog number and description of item,
- (7) Reason for return, and (8) Signed Ongoing Assurance Statement for prescription drugs or other products specified by Cardinal Health.

Return Policy

Cardinal Health will authorize the return of all products in salable condition with the following exceptions:

- Products not purchased from Cardinal Health. By offering product for return to Cardinal Health, Customer warrants and certifies that the products were purchased by the Customer directly from Cardinal Health.
- Products purchased more than 3 months prior to the return request.
- Products with expiration date less than 60 days.
- Products that are regulated hazardous chemicals or reagents.
- Instruments that have been used to analyze human body tissue.
- Sterile eaches of low unit of measure product.
- Special or custom products made to customer specifications.
- Products returned in defaced or other than original packaging.
- Drug products that are shipped outside the United States (reimport prohibited).
- Flu Vaccine.
- Any controlled substance product that is regulated by the DEA.
- Prescription drugs or other products specified by Cardinal Health that are returned without a customer-signed Cardinal Health Ongoing Assurance Statement.
- Prescription drugs that are returned that do not achieve Cardinal Health protective service and protective packaging guidelines.
- Refrigerated, frozen or temperature-controlled products with the exception that Cool Room coded product ("C" coded) can be accepted back from customers and returned to stock only if ALL circumstances noted below apply to the return.

1. The product is returned within a 5-day transit time window.
2. The external outdoor air temperature is less than 86 degrees Fahrenheit (86°F).
3. The only acceptable reasons for the return are a picking error or an ordering error.

All return items not locally stocked will be subject to locally determined restocking fee. All returns not due to Cardinal Health error will be subject to a minimum of 15% restocking fee. In the event that an unauthorized return is accepted, there will be a minimum of 25% restocking fee.

Freight Claims

Shortages and damages must be reported to Customer Service within 72 hours from receipt. Customer must inspect all shipments the same day they are received (visible damage). Visible damage must be noted on the delivery and inspection requested from delivery carrier or claim will be disallowed. Concealed damage requires a request of inspection from the delivering carrier, which will be made within five (5) days of notification of the damage.

During the inspection, an *Inspection Report of Loss or Damage* will be filled out for signature by both Customer and the applicable carrier. Customer should take exception to any statement by the inspector with which they do not agree and retain a copy of the inspection report. Customer must retain the merchandise, carton(s) and inside packaging at Customer's facility until the inspection has been made and Customer has been given instructions for disposition of damaged merchandise.

Due to medical product licensing constraints, carriers are not entitled to salvage of damaged product. Obtain a *Certificate of Destruction* from the carrier. In the event an inspection is waived, an internal *Certificate of Destruction* is acceptable with approval from Cardinal Health.

Product Delivery

Shipments are FOB Destination. Cardinal Health shall use its reasonable efforts to fill orders, but Cardinal Health shall not be liable for nonperformance or delays caused by a shortage of raw materials, manufacturing problems, delivery or labor problems, acts of regulatory agencies, discontinuation of a product line, Acts of God or causes beyond its control. Customer agrees that, in such events, Cardinal Health may allocate products among all purchasers, without liability.

Warranty

CARDINAL HEALTH WARRANTS THAT ANY PRODUCT IT MANUFACTURES IS, AS OF THE DATE OF SHIPMENT, FIT FOR THE PURPOSES AND INDICATIONS DESCRIBED IN THE LABELING. UNLESS THE PRODUCT IS USED IN ACCORDANCE WITH ITS INSTRUCTIONS, THESE WARRANTIES ARE VOID AND OF NO EFFECT. OTHER PRODUCTS DISTRIBUTED BY CARDINAL HEALTH CARRY ONLY THOSE WARRANTIES MADE FOR THEM BY THEIR MANUFACTURER. THERE ARE NO OTHER EXPRESSED OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. CARDINAL HEALTH'S SOLE OBLIGATION AND CUSTOMER'S EXCLUSIVE REMEDY FOR BREACH OF ANY WARRANTY SHALL BE, AT CARDINAL HEALTH'S OPTION, TO REPAIR OR REPLACE THE PRODUCT. CARDINAL HEALTH SHALL NOT BE LIABLE FOR PROXIMATE, INCIDENTAL OR CONSEQUENTIAL DAMAGES. MORE SPECIFIC WARRANTIES MAY ACCOMPANY INDIVIDUAL PRODUCTS.

Publicity

Customer will not make any press release or other public announcement regarding its purchases of products from Cardinal Health without Cardinal Health's express prior written consent.

Compliance with Law

By placing an order, Customer represents and warrants that it has all required local, state and federal licenses, permits and approvals required to purchase, use and/or store the products it elects to purchase from Cardinal Health and that all purchases from Cardinal Health are for Customer's "own use", as such term is defined in judicial or legislative interpretation. Customer acknowledges that Cardinal Health may suspend sales to Customer immediately if it reasonably determines that Customer has breached this "own use" limitation. If Customer receives from Cardinal Health any "discounts or other reductions in price" under Section 1128 b(b)(3)(a) of the Social Security Act (42 U.S.C.1320-7b(b)(3)(a)), Customer shall disclose the discounts or reductions in price under any state or federal program which provides cost or charge-based reimbursement to such customer for the products or services it purchases from Cardinal Health.

Governing Law

The agreement resulting from these Terms and Conditions of Sale shall be governed by the laws of the State of Ohio, applicable to contracts made and to be performed in that state.

Effective Date: February 1, 2007. All terms and conditions contained herein are subject to change without notice.



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